MOROCCANOIL HAIR SDS SHEETS



MOROCCANOIL®

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MOROCCANOIL	**Safety Data Sheet**	Version 6.6 Revision Date **15/01/2017**

Moroccanoil –Treatment For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Treatment for All Hair Types**

Catalog code MOS10ML, MO25ML, MO50ML, MO100ML, MO120ML, MO200ML

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards : Possible fire hazard by product vapors ignition (additional information is given under section 7)

Potential Health effects : Please refer to section 11.

4. FIRST AID MEASURES

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Inhalation : Remove to fresh air.

Ingestion : Never make an unconscious person vomit or drink fluids! Rinse mouth thoroughly. Seek medical advice and show the label when possible.

Skin Contact : Rinse skin with water and mild soap. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Flash Point : Not available, expected to be >158 °F / 70 °C, based on composition.

Autoignition Temperature : Not determined.

Flammability Limits in air : Not determined.

Extinguishing media : On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2) dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures : Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.

Hazardous Decomposition Products : carbon oxides, traces of incompletely burned carbon compounds. Silicon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal Protection equipment recommendations described in sections 8.

Environmental precautions : Prevent from spreading or entering into drains, ditches or waterways by using sand, earth or other appropriate barriers.

Clean up methods : Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of

ignition. Very large spills should be contained by embanking, etc... procedures. Avoid sparks, flames, heat and smoking. Ventilate. Mop, wipe or soak up with absorbent material and place in appropriate container. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Further information : The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid inhalation of vapors. Avoid all unnecessary exposure.
Keep away from food, drink and animal dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original glass bottles in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Static electricity will accumulate and may ignite vapors.
Prevent a possible fire hazard by taking precautionary measures against static discharges.
Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	In case of inadequate ventilation use suitable respirator.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Eye protection	:	Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear viscous liquid
Colour	:	Yellowish – brown
Odour	:	Characteristic
pH value	:	Not applicable
Viscosity at 25°C	:	800 - 3000 cSt
Solubility in water	:	Insoluble
Specific gravity at 25°C	:	app. 0.95

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : Strong oxidizing substances.

Hazardous decomposition Products : Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.
Accidental inhalation of the product spray, is unlikely to cause irritation of the nose and upper respiratory tract.

Skin contact : May cause skin irritation.
Repeated exposure to the product is unlikely to produce allergy by skin contact. Exposure to this product is unlikely to result in phototoxic effects.

Eye contact : Accidental exposure of the eye to the product may result in eye irritation.

Ingestion : Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract.

Toxicological tests	:	No data is available regarding the finished product.
Additional information	:	Toxicological assessment of the finished product is available and will be sent upon request.

12. ECOLOGICAL INFORMATION

Environmental fate and distribution:		Specific data regarding the finished product is not available. Complete information regarding the product ingredients is not yet available.
Environmental effects	:	No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.
Fate and effects in waste water Treatment plants	:	No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S25	Avoid contact with eyes.
		S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 8.6 Revision Date **15/01/2017**

Moroccanoil–Treatment For Fine Or Light Colored Hair

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil –Treatment for Fine or Light Colored Hair**

Catalog code MO10LT, MO25LT, MO50L, MO100LT, MO200LT

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards : Possible fire hazard by product vapors ignition (additional information is given under section 7)

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.

Skin contact : May cause skin irritation.
Repeated exposure to the product is unlikely to produce allergy by skin contact. Exposure to this product is unlikely to result in phototoxic effects.

Eye contact : Accidental exposure of the eye to the product may result in eye irritation.

Ingestion : Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract.

4. FIRST AID MEASURES

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Inhalation : Remove to fresh air.

Ingestion : Never make an unconscious person vomit or drink fluids! Rinse mouth thoroughly.
Seek medical advice and show the label when possible.

Skin Contact : Rinse skin with water and mild soap. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Flash Point : Not available, expected to be >158 °F / 70 °C, based on composition.

Autoignition Temperature : Not determined.

Flammability Limits in air : Not determined.

Extinguishing media : On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2) dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures : Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to

evacuate or isolate the area according to your local emergency plan.

Hazardous decomposition products : carbon oxides (Cox) and traces of incompletely burned carbon compounds. Silicon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal Protection equipment recommendations described in sections 8.

Environmental precautions : Prevent from spreading or entering into drains, ditches or waterways by using sand, earth or other appropriate barriers.

Clean up methods : Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by embanking, etc... procedures. Avoid sparks, flames, heat and smoking. Ventilate. Mop, wipe or soak up with absorbent material and place in appropriate container. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Further information : The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid inhalation of vapors. Avoid all unnecessary exposure.
Keep away from food, drink and animal dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original glass bottles in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Static electricity will accumulate and may ignite vapors.
Prevent a possible fire hazard by taking precautionary measures against static discharges.
Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : In case of inadequate ventilation use suitable respirator.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Eye protection : Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear viscous liquid
Colour	:	Yellowish – brown
Odour	:	Characteristic
pH value	:	Not applicable
Solubility in water	:	Insoluble
Density at 20°C	:	app. 1 g/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing substances.
Hazardous decomposition Products	:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Additional information	:	Toxicological assessment of the finished product is available and will be sent upon request.

12. ECOLOGICAL INFORMATION

Environmental fate and distribution : Specific data regarding the finished product is not available. Complete information regarding the product ingredients is not yet available.

Environmental effects : No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

Fate and effects in waste water Treatment plants : No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S25	Avoid contact with eyes.
		S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 24.2 Revision Date 15/01/2017

Clarifying Shampoo for Hair Burdened by Buildup

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Clarifying Shampoo for Hair Burdened by Buildup**

Product code : MO-CLS

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation	:	Inhalation is an unlikely route of exposure. Accidental inhalation may irritate the respiratory system. Mist may irritate mucous membranes.
Skin contact	:	None.
Eye contact	:	Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.
Ingestion	:	Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible. Where a stomach flush is called for, this may require a silicone antifoaming compound, since the product contains foaming surfactants.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet or direct foam stream, as this may cause Frothing and increase fire intensity.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released, may produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl) and toxic gases.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into waterways. Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. For external use only. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use.
Precautions	:	Keep away from other chemicals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	Use suitable gloves.

Skin Protection	**:**	Use suitable protective clothing. Avoid prolonged contact with skin and clothing.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles if splash hazards exist.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear viscous liquid
Color	:	Orange
Odor	:	Characteristic
pH value	:	5.0-6.0
Density at 25°C	:	1.00-1.10 (gr/ml)
Viscosity	**:**	6000-15000 (cPs)

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Other Chemicals.
Hazardous decomposition	:	None known when properly handled.

Products Thermal decomposition may produce hazardous products such as: Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) (Sox) Hydrogen Chloride (HCl) and toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases : None.

Safety phrases : S25 avoid contact with eyes.

Further information : Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – June 2015.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

LABORATORIES

******SAFETY DATA SHEET******

1. PRODUCT INFORMATION	
1.1	**Product Name:** MOROCCANOIL- CURL CLEANSING CONDITIONER
1.2	**Product Identification:** 210-67D PKG 3-26C (MCO-99-30508)
1.3	**Recommended Use / Product Use:** Hair Care
1.4	**Manufacturer's Name:** 2-2-0 LABORATORIES Inc.
1.5	**Manufacturer's Address:** 2375 Third St, Riverside, CA 92507
1.6	**Business Phone:** TEL: (951) 683-2912 FAX: (951) 683-0952
1.7	**Emergency Phone:** Chemtrec (24 hours) 1-800-424-9300 (Toll-Free in the USA) For international calls: 011-703-527-3887 (Collect calls are accepted) Contract # CCN5*

2. HAZARDOUS INGREDIENT INFORMATION

SECTION 2.1: Classification

NON-Flammable aerosol, category 3

Signal Word: Warning

Hazard Statement: Pressurized Container: May burst if heated

Symbol: NO SYMBOL

2.2	HEALTH	ENVIRONMENTAL	PHYSICAL
	There is no data on the product itself = ND	There is no data on the product itself = ND	Pressurized container: May burst if heated 

3. COMPOSITION/INFORMATION ON INGREDIENTS: ***Mixture*** / ***CBI***

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

CHEMICAL IDENTITY	CAS #	EINECS#	% (In Total Formula)	FLASHPOINT	OTHER
Isobutane	75-28-5	200-857-2	1 - 10	- 132.23°F	1,3-butadiene < 1ppm
Isopentane	78-78-4	201-142-8	1 - 10	<-60°F (-51°C)	1,3-butadiene < 1ppm
Alcohol Denat.	64-17-5	200-578-6	0.1 – 1.5	55°F	Denatured
3.1	Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.				
None present					

3.2	▪ Mixture: The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cut-off levels. ▪ Cut-off level for reproductive toxicity, carcinogenicity and category 1 mutagenicity is ^{3} 0.1% Cut-off level for all other hazard classes is ^{3} 1% ***NOTE***: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

None present					

4. FIRST AID MEASURES

4.1	**First Aid:** INGESTION: Drink enough water to dilute. Consult physician immediately EYES: Flush eyes with plenty of water to ensure complete flushing. e.g., Eye wash station for 15 minutes. If irritation persists, seek medical attention SKIN: Wash thoroughly with mild soap and water. If irritation persists, seek medical attention INHALATION: Remove victim to fresh air at once. If breathing is difficult, seek medical attention
4.2	**Medical Conditions Aggravated by Exposure:** Pre-existing respiratory and skin disorder.

5. FIREFIGHTING MEASURES

5.1	**Extinguishing Methods: (suitable and unsuitable)**	CO_2, Foam, Dry Chemical, and Water Spray
5.2	**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).**	Closed containers exposed to excessive heat may rupture. Do not crush or puncture containers.
5.3	**Special protective equipment and precautions for firefighters.**	Fire should be fought from a safe distance. Firefighters should wear full face, self-contained breathing apparatus, and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures:**	Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink, or smoke while cleaning up.
6.2	**Ventilation**	Use with adequate ventilation
6.3	**Respiratory**	None required, when used with adequate ventilation
6.4	**Environmental Precautions:**	Do not dispose of product into storm drains or waterways.
6.5	**Methods and materials for containment and cleaning up**.	Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures in section 7 and 8. Product is packed in aerosol containers. Dispose of any leaking aerosols per site instructions after placing in safe fireproof containers with leaking material absorbed by earth or other non-flammable absorbent.

7. HANDLING & STORAGE INFORMATION	
7.1	**Precautions for Safe Handling:** Wash hands thoroughly after using this product and before eating, drinking, or smoking
7.2	**Conditions for safe storage, including any incompatibilities.** Keep away from excessive heat, open flames, sparks, and other possible source of ignition. Do not store in damaged or unmarked containers or storage devices. For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material handling equipment. With use, spray aerosol carefully and cap after each use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
8.1	**Control parameters, e.g., occupational exposure limit values or biological limit values.**
8.2	**Appropriate engineering controls.**
8.3	**Personal Protective Equipment:** None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon), wear protective eyeglasses, gloves, boot, and apron per OSHA regulations (29 CFR 1910.133)

CHEMICAL IDENTITY	CAS #	EINECS#	EXPOSURE LIMITS IN AIR		OTHER
			TLV ppm	PEL ppm	
Isobutane	75-28-5	203-448-7	800	800	Unknown
Isopentane	78-78-4	200-857-2	500	500	Unknown
Alcohol Denat.	64-17-5	201-142-8	1000	1000	Unknown

9. PHYSICAL & CHEMICAL PROPERTIES - TENTATIVE			
ND = NO DATA / N/A = NOT APPLICABLE			
		CONCENTRATE:	**AEROSOLIZED PRODUCT:**
9.1a	**Appearance:**	Opaque viscous cream	Foam
9.1b	**Color:**	Off-White	White
9.1c	**Specific Gravity:**	< 1.0	N/A
9.1d	**Viscosity:**	40,000 – 80,000 cPs	N/A
9.2	**Odor**	TO MATCH STANDARD	TO MATCH STANDARD
9.3	**Odor Threshold**	TO MATCH STANDARD	TO MATCH STANDARD
9.4	**pH:**	≥ 4.0 - ≤10.0	N/A
9.5	**Melting point/freezing point**	ND	N/A
9.6	**Initial Boiling Point and Boiling Range:**	ND	N/A
9.7	**Flashpoint:**	ND	N/A
9.8	**Evaporation Rate**	ND	N/A
9.8	**Flammability: solid/gas**	Liquid	Aerosol
9.9	**Upper/lower flammability or explosive limits**	ND	N/A
9.10	**Vapor pressure**	ND	N/A
9.11	**Vapor density**	ND	N/A
9.12	**Relative density**	See Specific Gravity	N/A
9.13	**Solubiity(ies)**	ND	N/A
9.14	**Partition coefficient: n-octanol/water**	ND	N/A
9.15	**Autoignition temperature**	ND	N/A
9.16	**Decomposition temperature**	ND	N/A

10. STABILITY & REACTIVITY		
10.1	**Chemical Stability:**	Stable under normal conditions of use
10.2	**Possibility of hazardous reactions:**	Hazardous polymerization will not occur.
10.3	**Conditions to Avoid:**	Use or storage near open flames, sparks, high heat (>100°F) or other heat sources
10.5	**Incompatible Substances:**	Strong oxidizing agents

10.2	**Hazardous Decomposition Products:**	Irritating vapors and toxic gases when involved in fire							
11. TOXICOLOGICAL INFORMATION									
11.1	**TYPES OF EXPOSURE:**								
	ROUTES OF EXPOSURE:	**Skin**	X	**Inhalation**	X	**Eyes**	X	**Ingestion**	X
	HEALTH EFFECTS OF EXPOSURE:	**IMMEDIATE**				**CHRONIC**			
	INGESTION:	May cause gastrointestinal irritation				Seek medical attention if symptoms persist.			
	EYES:	Liquid and vapor may cause mild to severe eye irritation.				Seek medical attention if symptoms persist.			
	SKIN:	Repeated contact may cause irritation and drying of the skin. **Contact with propellant may cause freeze burns.**				Seek medical attention if symptoms persist.			
	INHALATION:	Vapor may cause irritation to the upper respiratory tract				Seek medical attention if symptoms persist.			
12. ECOLOGICAL INFORMATION									
12.1	There is no data available on the product itself. VOC = ≤55.0%								
12.2	Eco-toxicity (aquatic and terrestrial, where available). Persistence and degradability. Bio-accumulative potential. Mobility in soil. Other adverse effects: There is no data available on the product itself.								
12.3	The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.								
13. DISPOSAL CONSIDERATIONS									
13.1	Dispose of in accordance with federal, state or local regulations.								
14. TRANSPORTATION INFORMATION									
14.1	SHIPPING NAME		49CFR (GND) CONSUMER COMMODITY, ORM-D (≤ 1.0L) or						
		Regulated	49 CFR (GND) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." or						
		Regulated	49 CFR (GND) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 or						
		Regulated	IATA (AIR) ID 8000, CONSUMER COMMODITY, 9 or						
		Regulated	IATA (AIR) UN 1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." or						
		Regulated	IATA (AIR) UN 1950, AEROSOLS, NON-FLAMMABLE, 2.2 or						
		Regulated	IMDG (OCN) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." EMS # F-D, S-U						
		Regulated	or IMDG (OCN) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, <u>CHOOSE FROM THE FOLLOWING SYMBOLS:</u>						
									
14.2	HAZCHEM CODE:	Regulated	Aerosol Level: (1)						

14.3	MARINE POLLUTANT: N	49 CFR APPENDIX B SECTION 172.101
15. REGULATORY INFORMATION		
15.1	Contents of this SDS comply with the OSHA Hazard Communication Standard CFR 1910.1200: *The Globally Harmonized System of Classification and Labelling of Chemicals* (GHS)	
15.2	**EPA SARA Title III Chemical Listings** Section 302 Extremely Hazardous Substances: None Section 304 CERCLA Hazardous Substances: None Section 313 Toxic Chemicals: None present or none present in regulated quantities.	
15.3	California Proposition 65: TBD	
	UN GHS: Globally Harmonized System of Classification and Labelling of Chemicals (GHS) ("The Purple Book"), United Nations, 2005 First Revised Edition, available online or from United Nations Publications. UN GHS website	
	USA: Federal Hazardous Materials Transportation Law (49 U.S.C. 5101 *et seq.*).	
	USA: OSHA Hazard Communication Standard 29 CFR 1910.1200.	
16. OTHER INFORMATION: including information on preparation and revision of the SDS		
16.1	Version: 1 Revision: 1 (15.3) Date: 2016-06-15 Author/Initials: Victoria C. Voss / V.C.V.	
16.2	**Disclaimer:** This Safety Data Sheet is offered pursuant to **Globally Harmonized System (GHS)** OSHA's Hazard Communication Standard, 29 CFR § 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of 2-2-0 Laboratories Inc.'s knowledge, the information contained herein is reliable and accurate as of the date issued; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided.	
16.3	**Definitions:** ***Aerosols*** means any non-refillable receptacles made of metal, glass or plastics and containing a gas compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state. Aerosol includes aerosol dispensers. ***Mixture*** means a mixture or a solution composed of two or more substances in which they do not react. ***CBI*** means "confidential business information". **Carcinogenicity**: Carcinogen means a chemical substance or a mixture of chemical substances which induce cancer or increase its incidence. Substances and mixtures in this hazard class are assigned to one of two hazard categories. Category 1 has two subcategories. The Carcinogenicity Guidance Section in the GHS Document includes comments about IARC. ***AEL*** is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence (DuPont™ DYMEL A propellant – Material Safety Data Sheet Version 2.2, 11-02-2011).	

American Spraytech LLC.

205 Meister Avenue
North Branch, NJ 08876
(908)725-6060

200942

MATERIAL SAFETY DATA SHEET

SECTION - 1 - CHEMICAL SUBSTANCE, PRODUCT, & COMPANY IDENTIFICATION

FINISHED PRODUCT NAME	MOROCCANOIL-DRY SHAMPOO DARK TONES	
MANUFACTURER'S NAME	AMERICAN SPRAYTECH, LLC.	
STREET ADDRESS	205 MEISTER AVENUE	
CITY, STATE, ZIP CODE	NORTH BRANCH, NJ 08876	BUSINESS PHONE: (908)725-6060

IN CASE OF MEDICAL EMERGENCIES, PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER.
IN CASE OF TRANSPORTATION EMERGENCIES, PLEASE CONTACT CHEMTREC 1-800-424-9300
DATE PREPARED: 1/25/2010 BY: WJL

PRODUCT NAME:	MOROCCAN OIL BRUNETTE DRY SHAMPOO
PRODUCT FORM:	PRESSURIZED AEROSOL CONTAINER
DOT SHIPPING NAME:	LIMITED QUANTITY
EXPORT SHIPPING NAME:	UN 1950 IMCO CLASS 2.1
STORAGE CLASSIFICATION:	FLAMMABLE AEROSOL LEVEL 1

SECTION -2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
This is a personal care or comedic product that is safe for consumers under intended and reasonably foreseeable use. Read and follow all label directions.

POTENTIAL HEALTH EFFECTS:

EYE: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.
SKIN: Not expected to be irritating sensitizing, photo allergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.
Inhalation: May cause mild, transient respiratory irritation. Avoid breathing concentrated vapors. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
Ingestion: Product used as intended is not expected to cause gastrointestinal irritation.

SECTION – 3 – COMPOSITION AND INGREDIENTS

The complete list for the finished product is as follows:
Hydrofluorocabon 152a, Butane, Oryza Sativa (Rice) Starch, SD Alcohol 40-B, Disiloxane, Cetrimonium Chloride, PVP, Methoxycinnamidopropyl Hydroxylsultanic, Diisopropyl Adipate, Argania Spinosa Kernel Oil, Fragrance, Magnesium Stearate, Iron Oxides

HAZARDOUS INGREDIENTS AS DEFINED BY OSHA, 29 CFR 1910

COMPONENT NAME	CAS NO.	TLV*
SD Alcohol 40-B	64-17-5	TWA: 100ppm 300mg/m^3
Hydrofluorocarbon 152a /butane	N/A	TWA:1000ppm 8hr & 12hr
Disiloxane	107-46-0	TWA: 200ppm
PVP	9003-39-8	TWA: 10mg/m^3 inhalable fraction, 3mg/m^3 respirable fraction
Argania Spinosa Kernel Oil	299184-75-1	5 mg/m^3
Magnesium Stearate	557-04-0	10mg/m^3
Iron Oxides	N/A	TWA: 10mg/m^3 inhalable fraction, 4mg/m^3 respirable fraction

*THRESHOLD LIMIT VALUE A. OSHA _____ B. ACGIH ____x____ C. SEE SEC. III_____ D. OTHER_____
*Not Established

SECTION – 4- FIRST AID MEASURES

EYE CONTACT	Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort persists, consult a physician.
SKIN PROBLEM	Discontinue use of product. Wash affected area with soap and water. If discomfort persists, consult a physician.
INHALATION	If respiratory irritation occurs, remove individual to fresh air. If discomfort persists, consult a physician. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS CAN BE HARMFUL OR FATAL. IF BREATHING IS AFFECTED INTENTIONAL INHALATION, REMOVE PATIENT TO FRESH AIR, GET EMERGENCY MEDICAL ATTENTION, AND ADMINISTER ARTIFICIAL RESPIRATION AND / OR OXYGEN.
INGESTION	IMPOSSIBLE TO INGEST SUFFICIENT AMOUNT OF PRODUCT TO BECOME A PROBLEM

SECTION – 5 – FIRE FIGHTING MEASURES

FLASH POINT	Flash point applies only to liquids and is not applicable to aerosols. See section 13 for disposal information and section 14 for transport information.
EXTINGUISHING MEDIA	Dry Chemical, Foam, Carbon Dioxide or water
EXPLOSION HAZARD	Flammable, Aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. Use self contained breathing apparatus and full protective gear if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hazardous decomposition products may be released, including hydrofluoric and/or carbonyl halide.
FIREFIGHTING INSTRUCTIONS	Contact emergency personnel. Contents are under pressure.

SECTION – 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF RELEASE OR SPILL	LARGE SPILLS OR PUNCTURES SHOULD BE WELL VENTILATED. AIR MOVEMENT TO DILUTE LEAKING GASES IS ESSENTIAL. AVOID IGNITION SOURCES. TURN OFF ELECTRIC POWER TO AREA.
WASTE DISPOSAL METHOD	DISPOSE OF IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL REGULATIONS

SECTION -7 – HANDLING AND S T O R A G E

HANDLING PRECAUTIONS	FLAMMABLE AVOID HEAT, SPARKS, FLAME OR SMOKING DURING USE. USE ONLY IN WELL VENTILATED AREAS, CONTENTS UNDER PRESSURE DO NOT CRUSH, PUNCTURE OR INCINERATE. KEEP OUT OF THE REACH OF CHILDREN.
STORAGE PRECAUTIONS	STORE AS A LEVEL 1 AEROSOL (NFPA 30B). STORE IN A COOL DRY WELL VENTILATED AREA. STORE BELOW 120 F. WAREHOUSING SHOULD BE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES AS WELL AS THE REGULATIONS OF YOUR INSURANCE CARRIER

SECTION – 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

HOUSEHOLD SETTINGS	This is a personal care or cosmetic product that is safe for consumers under normal and reasonably foreseeable use.
NON-HOUSEHOLD SETTINGS	Use in a well ventilated area. Use safety glasses. If airborne mist hazard exists use gloves and other protective clothing to prevent skin contact

SECTION – 9 - P H Y S I C A L AND CHEMICAL PROPERTIES

			Boiling Point:	Propellant	-15°F
Physical state		Pressurized container		Concentrate	173.3°F
PH		N/A	PERCENT VOLATILE:		<40%
Flash Point:	Propellant	<-58°F	SOLUBILITY IN WATER		slight
	Concentrate	55.4°F			
SPECIFIC GRAVITY concentrate:		0.850-1.15 g/cc			
% VOC		Complies with federal and state regulations for VOC content			
APPEARANCE AND ODOR: Dry Powder spray with color and characteristic odor					

SECTION – 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Avoid extreme heat and ignition sources. Store away from oxidizers.

SECTION – 11 - TOXICOLOGICAL INFORMATION

This is a personal care product that is safe for consumers under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the manufacturer upon request.

CHRONIC EFFECTS: Finished product is not expected to have chronic health effects.
TARGET ORGANS: No adverse health effects on target organs is expected from this product.
CARCINOGENICITY: Finished product is not expected to be carcinogenic
NTP: no IARC: no OSHA: no

SECTION – 12 – ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with conventional solid waste management practices. Aerosol containers are recyclable when empty.

SECTION – 13 – DISPOSAL CONSIDERATIONS

Disposal should be in accordance with federal, state and local regulations.

FOR HOUSEHOLD SETTINGS: The following instructions are for consumer usage only. Empty can through normal use as directed on the can. If the can cannot be emptied due to malfunction of actuator the product should be disposed of in a special waste collection for pressurized containers. A local waste handler should be contacted.

FOR NON HOUSEHOLD SETTINGS: Products in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations (40CFR261). Disposal should be in accordance with Local, State and Federal regulations. Aerosol cans, when disposed as waste are regulated as D003 reactive hazardous waste in some States because of their potential to explode when heated. Check with your State environmental agency for guidance.

SECTION – 14 – TRANSPORTATION INFORMATION

GROUND:	(DOT) Consumer Commodity ORM-D
VESSEL:	(IMDG) UN1950, Aerosol, Class 2.1, Ltd Qty.
AIR:	(IATA) Consumer Commodity, ID8000, Class 9

SECTION – 15 – ADDITIONAL REGULARITY INFORMATION

EU DPD (Dangerous Product Directive) Classification (DPD88/379/EEC). Regulated as a Cosmetic and/or Drug by the FDA (US), HPB (Canada), Cosmetics Directive (EU), MHW (Japan), and China (MOH). While this product is not considered hazardous as defined by OSHA 29 CFR 1900. 1200(d), this MSDS contains valuable information critical to the safe handling and proper use of this product.

US FEDERAL:
This product is regulated under the Federal Food, Drug and Cosmetic Act and is safe to use as directed on container, box or accompanying literature.

CERCLA reportable Quantity (RQ).

Ingredient	CAS #	Level	RQ
SD Alcohol 40-B	64-17-5	1-20%	100lbs
Hydrofluorocarbon 152a/ Butane	N/A	70-90%	100lbs

RCRA Hazardous Waste D001/Unlisted Hazardous Wastes Characteristic of Ignitability.

SD Alcohol 40-B	64-17-5	1-20%	100lbs
Hydrofluorocarbon 152a/ Butane	N/A	70-90%	100lbs

SARA 313/302/304/311/312 chemicals:

SD Alcohol 40-B	311/312/313	Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard, Fire Hazard
Hydrofluorocarbon 152a/Butane	311/312	Acute Health Hazard, Fire Hazard, Pressure Hazard
Disiloxane	311/312	Acute Health Hazard, Fire Hazard
PVP	311/312	Fire Hazard, Acute Health Hazard

CANADA:
All ingredients are CEPA approved for import into Canada. This product has been classified in accordance with hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the CPR.

US STATES:

California Prop 65:
This product is subject to warning labeling under Prop 65.

California CARB VOC Regulations
This product conforms to CARB VOC Regulations

State Right to Know:

Ingredient	CAS	Level	State		
SD Alcohol 40-B	64-17-5	1-20%	MA	NJ	PA
Disiloxane	107-46-0	0-5%	NJ	PA	

Other:
Perfumes contained within this product comply with appropriate IFRA guidance.

SECTION – 16- OTHER INFORMATION

This MSDS is intended to provide a brief summary of our knowledge regarding the use of this product. The information contained herein has been compiled from sources considered to be dependable and is accurate to the best our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. American Spray Tech assumes no responsibility for injury to the recipient or third persons, or for any damage to property resulting from misuse of this product

ISSUE DATE: 1/15/15	REPLACES: N/A

American Spraytech LLC.

205 Meister Avenue
North Branch, NJ 08876
(908)725-6060

200942

MATERIAL SAFETY DATA SHEET

SECTION - 1 - CHEMICAL SUBSTANCE, PRODUCT, & COMPANY IDENTIFICATION

FINISHED PRODUCT NAME	MOROCCANOIL-DRY SHAMPOO LIGHT TONES	
MANUFACTURER'S NAME	AMERICAN SPRAYTECH, LLC.	
STREET ADDRESS	205 MEISTER AVENUE	
CITY, STATE, ZIP CODE	NORTH BRANCH, NJ 08876	BUSINESS PHONE: (908)725-6060

IN CASE OF MEDICAL EMERGENCIES, PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER.
IN CASE OF TRANSPORTATION EMERGENCIES, PLEASE CONTACT CHEMTREC 1-800-424-9300
DATE PREPARED: 1/25/2010 BY: WJL

PRODUCT NAME:	MOROCCAN OIL BLONDE DRY SHAMPOO
PRODUCT FORM:	PRESSURIZED AEROSOL CONTAINER
DOT SHIPPING NAME:	LIMITED QUANTITY
EXPORT SHIPPING NAME:	UN 1950 IMCO CLASS 2.1
STORAGE CLASSIFICATION:	FLAMMABLE AEROSOL LEVEL 1

SECTION -2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
This is a personal care or comedic product that is safe for consumers under intended and reasonably foreseeable use. Read and follow all label directions.

POTENTIAL HEALTH EFFECTS:

EYE: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.
SKIN: Not expected to be irritating sensitizing, photo allergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.
Inhalation: May cause mild, transient respiratory irritation. Avoid breathing concentrated vapors. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
Ingestion: Product used as intended is not expected to cause gastrointestinal irritation.

SECTION – 3 – COMPOSITION AND INGREDIENTS

The complete list for the finished product is as follows:
Hydrofluorocabon 152a, Butane, Oryza Sativa (Rice) Starch, SD Alcohol 40-B, Disiloxane, Cetrimonium Chloride, PVP, Methoxycinnamidopropyl Hydroxyl Sultanic, Diisopropyl Adipate, Argania Spinosa Kernel Oil, Fragrance, Magnesium Stearate, Red 33, Violet 2

HAZARDOUS INGREDIENTS AS DEFINED BY OSHA, 29 CFR 1910

COMPONENT NAME	CAS NO.	TLV*
SD Alcohol 40-B	64-17-5	TWA: 100ppm 300mg/m^3
Hydrofluorocarbon 152a/butane	N/A	TWA:1000ppm 8hr & 12hr
Disiloxane	107-46-0	TWA: 200ppm
PVP	9003-39-8	TWA: 10mg/m^3 inhalable fraction, 3mg/m^3 respirable fraction
Argania Spinosa Kernel Oil	299184-75-1	5 mg/m^3
Magnesium Stearate	557-04-0	10mg/m^3
Violet 2	81-48-1	10mg/m^3/8hr: Total dust by inhalation, 5mg/m^3/8hr: alveolary dust.

*THRESHOLD LIMIT VALUE A. OSHA _____ B. ACGIH ____x____ C. SEE SEC. III_____ D. OTHER_____
*Not Established

SECTION – 4- FIRST AID MEASURES

EYE CONTACT	Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort persists, consult a physician.
SKIN PROBLEM	Discontinue use of product. Wash affected area with soap and water. If discomfort persists, consult a physician.
INHALATION	If respiratory irritation occurs, remove individual to fresh air. If discomfort persists, consult a physician. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS CAN BE HARMFUL OR FATAL. IF BREATHING IS AFFECTED INTENTIONAL INHALATION, REMOVE PATIENT TO FRESH AIR, GET EMERGENCY MEDICAL ATTENTION, AND ADMINISTER ARTIFICIAL RESPIRATION AND / OR OXYGEN.
INGESTION	IMPOSSIBLE TO INGEST SUFFICIENT AMOUNT OF PRODUCT TO BECOME A PROBLEM

SECTION – 5 – FIRE FIGHTING MEASURES

FLASH POINT	Flash point applies only to liquids and is not applicable to aerosols. See section 13 for disposal information and section 14 for transport information.
EXTINGUISHING MEDIA	Dry Chemical, Foam, Carbon Dioxide or water
EXPLOSION HAZARD	Flammable, Aerosols exposed to high temperatures may rupture, rocket and cause secondary hazards. Use self contained breathing apparatus and full protective gear if large quantities of product are involved. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen; hazardous decomposition products may be released, including hydrofluoric and/or carbonyl halide.
FIREFIGHTING INSTRUCTIONS	Contact emergency personnel. Contents are under pressure.

SECTION – 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF RELEASE OR SPILL	LARGE SPILLS OR PUNCTURES SHOULD BE WELL VENTILATED. AIR MOVEMENT TO DILUTE LEAKING GASES IS ESSENTIAL. AVOID IGNITION SOURCES. TURN OFF ELECTRIC POWER TO AREA.
WASTE DISPOSAL METHOD	DISPOSE OF IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL REGULATIONS

SECTION -7 – HANDLING AND S T O R A G E

HANDLING PRECAUTIONS	FLAMMABLE AVOID HEAT, SPARKS, FLAME OR SMOKING DURING USE. USE ONLY IN WELL VENTILATED AREAS, CONTENTS UNDER PRESSURE DO NOT CRUSH, PUNCTURE OR INCINERATE. KEEP OUT OF THE REACH OF CHILDREN.
STORAGE PRECAUTIONS	STORE AS A LEVEL 1 AEROSOL (NFPA 30B). STORE IN A COOL DRY WELL VENTILATED AREA. STORE BELOW 120 F. WAREHOUSING SHOULD BE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES AS WELL AS THE REGULATIONS OF YOUR INSURANCE CARRIER

SECTION – 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

HOUSEHOLD SETTINGS	This is a personal care or cosmetic product that is safe for consumers under normal and reasonably foreseeable use.
NON-HOUSEHOLD SETTINGS	Use in a well ventilated area. Use safety glasses. If airborne mist hazard exists use gloves and other protective clothing to prevent skin contact

SECTION – 9 - P H Y S I C A L AND CHEMICAL PROPERTIES

			Boiling Point:	Propellant	-15°F
Physical state		Pressurized container		Concentrate	173.3°F
PH		N/A	PERCENT VOLATILE:		<40%
Flash Point:	Propellant	<-58°F	SOLUBILITY IN WATER		slight
	Concentrate	55.4°F			
SPECIFIC GRAVITY concentrate:		0.850-1.15 g/cc			
% VOC		Complies with federal and state regulations for VOC content			
APPEARANCE AND ODOR: Dry Powder spray with color and characteristic odor					

SECTION – 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Avoid extreme heat and ignition sources. Store away from oxidizers.

SECTION – 11 - TOXICOLOGICAL INFORMATION

This is a personal care product that is safe for consumers under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the manufacturer upon request.

CHRONIC EFFECTS: Finished product is not expected to have chronic health effects.
TARGET ORGANS: No adverse health effects on target organs is expected from this product.
CARCINOGENICITY: Finished product is not expected to be carcinogenic
NTP: no IARC: no OSHA: no

SECTION – 12 – ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with conventional solid waste management practices. Aerosol containers are recyclable when empty.

SECTION – 13 – DISPOSAL CONSIDERATIONS

Disposal should be in accordance with federal, state and local regulations.

FOR HOUSEHOLD SETTINGS: The following instructions are for consumer usage only. Empty can through normal use as directed on the can. If the can cannot be emptied due to malfunction of actuator the product should be disposed of in a special waste collection for pressurized containers. A local waste handler should be contacted.

FOR NON HOUSEHOLD SETTINGS: Products in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations (40CFR261). Disposal should be in accordance with Local, State and Federal regulations. Aerosol cans, when disposed as waste are regulated as D003 reactive hazardous waste in some States because of their potential to explode when heated. Check with your State environmental agency for guidance.

SECTION – 14 – TRANSPORTATION INFORMATION

GROUND:	(DOT) Consumer Commodity ORM-D
VESSEL:	(IMDG) UN1950, Aerosol, Class 2.1, Ltd Qty.
AIR:	(IATA) Consumer Commodity, ID8000, Class 9

SECTION – 15 – ADDITIONAL REGULARITY INFORMATION

EU DPD (Dangerous Product Directive) Classification (DPD88/379/EEC). Regulated as a Cosmetic and/or Drug by the FDA (US), HPB (Canada), Cosmetics Directive (EU), MHW (Japan), and China (MOH). While this product is not considered hazardous as defined by OSHA 29 CFR 1900. 1200(d), this MSDS contains valuable information critical to the safe handling and proper use of this product.

US FEDERAL:
This product is regulated under the Federal Food, Drug and Cosmetic Act and is safe to use as directed on container, box or accompanying literature.

CERCLA reportable Quantity (RQ).

Ingredient	CAS #	Level	RQ
SD Alcohol 40-B	64-17-5	1-20%	100lbs
Hydrofluorocarbon 152a/ Butane	N/A	70-90%	100lbs

RCRA Hazardous Waste D001/Unlisted Hazardous Wastes Characteristic of Ignitability.

SD Alcohol 40-B	64-17-5	1-20%	100lbs
Hydrofluorocarbon 152a/ Butane	N/A	70-90%	100lbs

SARA 313/302/304/311/312 chemicals:

SD Alcohol 40-B	311/312/313	Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard, Fire Hazard
Hydrofluorocarbon 152a/Butane	311/312	Acute Health Hazard, Fire Hazard, Pressure Hazard
Disiloxane	311/312	Acute Health Hazard, Fire Hazard
PVP	311/312	Fire Hazard, Acute Health Hazard

CANADA:
All ingredients are CEPA approved for import into Canada. This product has been classified in accordance with hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the CPR.

US STATES:

California Prop 65:
This product is subject to warning labeling under Prop 65.

California CARB VOC Regulations
This product conforms to CARB VOC Regulations

State Right to Know:

Ingredient	CAS	Level	State		
SD Alcohol 40-B	64-17-5	1-20%	MA	NJ	PA
Disiloxane	107-46-0	0-5%	NJ	PA	

Other:
Perfumes contained within this product comply with appropriate IFRA guidance.

SECTION – 16- OTHER INFORMATION

This MSDS is intended to provide a brief summary of our knowledge regarding the use of this product. The information contained herein has been compiled from sources considered to be dependable and is accurate to the best our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. American Spray Tech assumes no responsibility for injury to the recipient or third persons, or for any damage to property resulting from misuse of this product

ISSUE DATE: 1/15/15	REPLACES: N/A

MOROCCANOIL®	Safety Data Sheet MOROCCANOIL-COLOR CONTINUE SHAMPOO

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier……	Moroccanoil -color continue shampoo
Reach Registration number……..	No information available
Product name……..	Moroccanoil -color continue shampoo
Product code……	No information available
Product type……	N/A
EC-No. ……	N/A
Formular……	N/A

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified uses ……	Personal care
Main use category……...	Personal care

1.3: Company/undertaking identification

Supplier……	MOROCCANOIL®
Company telephone number……	+972 3 9511086
Company fax number……	+972 3 9416232
Company contact person……...	Idan Avishay

Emergency telephone number……..	+972 3 9511086 , 374

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is not classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram……..	none
Signal word……	none

Hazard statement(s)..... none

Precautionary statement(s)..... none

Supplemental Hazard Statements none

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms MIXTUR
Formula N/A
Molecular Weight N/A

Dangerous Component		Classification	concentration
SODIUM COCOAMPHOACETATE			
CAS-No.	90387-76-1	H319	3-10%
EC-No.	291-352-6		
Annex I number	N/A		
COCAMIDOPROPYL BETAINE			
CAS-No.	61789-40-0	H315, H319	1-6%
EC-No.	263-058-8		
Annex I number	N/A		
COCAMIDOPROPYL HYDROXYSULTAINE			
CAS-No.	68139-30-0	H319	1-4%
EC-No.	268-761-3		
Annex I number	N/A		
LAURYL GLUCOSIDE			
CAS-No.	110615-47-9	H318	0.1-2%
EC-No.	600-975-8		
Annex I number	N/A		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact..... Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact.....	If skin problems occur, discontinue use. If skin irritation persists, call a physician
Inhalation.....	N/A
Ingestion.....	Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-Fighting Measures

5.1 Extinguishing media
Dry chemical, CO 2, water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear

5.4 Further information
N/A

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
No information available

6.4 Reference to other sections
For disposal see section 13.

7. Handling And Storage

7.1. Handling

Handling……	Keep container hermetically closed in a dry, fresh and well airy place far from spakles or flames.Observe label precautions
Handling temperatures……....	No information available

7.2. storage

Storage……	No information available

7.3. special use(s) and requirements

Product transfer/packing requirement……..	While loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations. Know the location of eye wash stations and safety showers.
Recommended materials……	No information available
Unsuitable materials……..	No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection……	No special protective equipment required.
Respiratory Protection.....	No information available
Body Protection ……	No special protective equipment required.

9. Physical And Chemical Properties

9.1. general information

Appearance…….……	Viscous Gel
Colour……	Translucent, Pale Yellow
Odour……	Charateristic

9.2. important health, safety and environmental information

Initial boiling point and boiling range……..….	No data available
Flash point……..……	No data available

Density……	No data available
Specific Gravity……	0.97 – 1.02 @ 25°C
Solubility in water……..	No data available
PH……	5.30 – 5.80

10. Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

This material is stable when handled and stored at recommended temperatures.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to Avoid

Heat, flames and sparks, extremes of temperature and direct sunlight.

10.5 Incompatibilities with Other Materials

No data available

10.6 Hazardous Decomposition Products

No data available

10.7 Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral……	No data available
Acute toxicity – derma……	No data available
Acute toxicity – inhalation……	No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact……..	No known effect based on information supplied.
Symptoms/injuries after inhalation……	No known effect based on information supplied.
Symptoms/injuries after eye contact……	No known effect based on information supplied.
Carcinogenicity	no data available

11.2. other information

Hazchem code……	N/A
Potential health effects	no data available

12. Ecological Information

12.1. Ecotoxicity.....	No data available
12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general.....	It is improbable that the composition with ethyl alcohol for cosmetic purpose will accumulate in the environment and cause problems if used in normal conditions.

13.2. disposal instructions

Waste disposal.....	Dispose of in accordance with local regulations
Product disposal.....	Dispose of in accordance with local regulations
Container/package disposal.....	Dispose of in accordance with local regulations
Disposal precautions.....	Use Personal Protective Equipment as per Para 8.

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.
EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification.....	Not regulated
ADR.....	Not regulated
IMDG Code.....	Not regulated
ICAO.....	Not regulated

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.

16. Other Information

Text of H-code(s) mentioned in Section 3
None

Reach references.....	Not registered
Revision date.....	21.11.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

Chemic Engineering & Safety Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Chemic Engineering & Safety Ltd. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Chemic Engineering & Safety Ltd will not be responsible for damages resulting from use of or reliance upon this information.

****

Prepared by: Chemic Engineering & Safety Ltd.
Phone Number: (972)-3-9303814 (Israel)

MOROCCANOIL®	Safety Data Sheet MOROCCANOIL-COLOR CONTINUE CONDITIONER

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier……	Moroccanoil -color continue Conditioner
Reach Registration number……..	No information available
Product name……..	Moroccanoil -color continue Conditioner
Product code……	No information available
Product type……	N/A
EC-No. ……	N/A
Formular……	N/A

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified uses ……	Personal care
Main use category……...	Personal care

1.3: Company/undertaking identification

Supplier……	MOROCCANOIL®
Company telephone number……	+972 3 9511086
Company fax number……	+972 3 9416232
Company contact person……...	Idan Avishay

Emergency telephone number……..	+972 3 9511086 , 374

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is not classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram……..	none
Signal word……	none

Hazard statement(s)..... none

Precautionary statement(s)..... none

Supplemental Hazard Statements none

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms MIXTUR
Formula N/A
Molecular Weight N/A

Dangerous Component		Classification	concentration
CETEARYL ALCOHOL			
CAS-No.	67762-27-0		3-10%
EC-No.	267-008-6		
Annex I number	N/A		
AMODIMETHICONE			
CAS-No.	71750-80-6	H315, H319	1-6%
EC-No.	615-337-4		
Annex I number	N/A		
BEHENAMIDOPROPYL DIMETHYLAMINE			
CAS-No.	60270-33-9	H318	0.1-4%
EC-No.	262-134-8		
Annex I number	N/A		
Apricot, ext.			
CAS-No.	68650-44-2	H226	0.1-4%
EC-No.	272-046-1		
Annex I number	N/A		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact..... Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact.....	If skin problems occur, discontinue use. If skin irritation persists, call a physician
Inhalation.....	N/A
Ingestion.....	Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-Fighting Measures

5.1 Extinguishing media
Dry chemical, CO 2, water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear

5.4 Further information
N/A

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
No information available

6.4 Reference to other sections
For disposal see section 13.

7. Handling And Storage

7.1. Handling

Handling……	Keep container hermetically closed in a dry, fresh and well airy place far from spakles or flames.Observe label precautions
Handling temperatures……....	No information available

7.2. storage

Storage……	No information available

7.3. special use(s) and requirements

Product transfer/packing requirement……..	While loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations. Know the location of eye wash stations and safety showers.
Recommended materials……	No information available
Unsuitable materials……..	No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection……	No special protective equipment required.
Respiratory Protection.....	No information available
Body Protection ……	No special protective equipment required.

9. Physical And Chemical Properties

9.1. general information

Appearance…….……	White viscous lotion with a charateristic odor free of foreign matter
Colour……	White
Odour……	Charateristic

9.2. important health, safety and environmental information

Initial boiling point and boiling range……..….	No data available

Flash point……	No data available
Density……	No data available
Specific Gravity……	0.97 – 1.02 @ 25°C
Solubility in water……	No data available
PH……	3.50 – 4.00

10. Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

This material is stable when handled and stored at recommended temperatures.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to Avoid

Heat, flames and sparks, extremes of temperature and direct sunlight.

10.5 Incompatibilities with Other Materials

No data available

10.6 Hazardous Decomposition Products

No data available

10.7 Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral……	No data available
Acute toxicity – derma……	No data available
Acute toxicity – inhalation……	No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact……..	No known effect based on information supplied.
Symptoms/injuries after inhalation……	No known effect based on information supplied.
Symptoms/injuries after eye contact……	No known effect based on information supplied.
Carcinogenicity	no data available

11.2. other information

Hazchem code……	N/A
Potential health effects	no data available

12. Ecological Information

12.1. Ecotoxicity.....	No data available
12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general.....	It is improbable that the composition with ethyl alcohol for cosmetic purpose will accumulate in the environment and cause problems if used in normal conditions.

13.2. disposal instructions

Waste disposal.....	Dispose of in accordance with local regulations
Product disposal.....	Dispose of in accordance with local regulations
Container/package disposal.....	Dispose of in accordance with local regulations
Disposal precautions.....	Use Personal Protective Equipment as per Para 8.

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.
EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification.....	Not regulated
ADR.....	Not regulated
IMDG Code.....	Not regulated
ICAO.....	Not regulated

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.

16. Other Information

Text of H-code(s) mentioned in Section 3
None

Reach references.....	Not registered
Revision date.....	7.11.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

Chemic Engineering & Safety Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Chemic Engineering & Safety Ltd. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Chemic Engineering & Safety Ltd will not be responsible for damages resulting from use of or reliance upon this information.

****

Prepared by: Chemic Engineering & Safety Ltd.
Phone Number: (972)-3-9303814 (Israel)

MOROCCANOIL	**Safety Data Sheet**	Version 62.2 Revision Date **23/01/2017**

MOROCCANOIL- CURL ENHANCING SHAMPOO

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **MOROCCANOIL- CURL ENHANCING SHAMPOO**

Catalog code : NA

Use of the product : Hair cosmetic product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation	:	Not expected to be irritating to the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion unlikely. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air.
Eye contact	:	Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Ingestion	:	Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible. Never give anything by mouth to an unconscious person.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray or fog, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : Direct water stream may produce foam.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Environmental precautions : Prevent entry of large quantities into sewers and into public waters.
Notify authorities if a large quantity of the product enters sewers or public waters.

Clean up methods : Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Gel
Color	:	White, pearled gel
Odor	:	Fragranced
pH value	:	5.5 – 6.0
Solubility in water	:	Partially miscible
Density at 25ºC	:	1.01 – 1.05 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended Use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Products	:	Oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrogenic.

11. TOXICOLOGICAL INFORMATION

Respiratory	:	Not an expected route of exposure.
Ingestion	:	May cause nausea, vomiting and diarrhea. May be harmful.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use conditions.

Ecological toxicity	:	Specific ecological toxicity data regarding the finished product is not available.
Biodegradability	:	No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling : The product does not require a hazard warning label in accordance with EC directives.

Hazard Symbol : not applicable.

R-Phrases : None.

S-Phrases : None.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 63.2 Revision Date **23/01/2017**

MOROCCANOIL- CURL ENHANCING CONDITIONER

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **MOROCCANOIL- CURL ENHANCING CONDITIONER**

Catalog code : NA

Use of the product : Hair cosmetic product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation	:	Not expected to be irritating to the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may Occur.
Ingestion	:	Ingestion unlikely. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation	:	If respiratory irritation occurs, remove individual to fresh air.
Eye contact	:	Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Ingestion	:	Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible. Never give anything by mouth to an unconscious person.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray or fog, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : Direct water stream may produce foam.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Environmental precautions : Prevent entry of large quantities into sewers and into public waters.
Notify authorities if a large quantity of the product enters sewers or public waters.

Clean up methods : Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Lotion
Color	:	*White viscous lotion*
Odor	:	Fragranced
pH value	:	*5.5 – 6.0*
Solubility in water	:	Partially miscible
Density at 25°C	:	*0.96-0.99* gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended Use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Products	:	Oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrogenic.

11. TOXICOLOGICAL INFORMATION

Respiratory	:	Not an expected route of exposure.
Ingestion	:	May cause nausea, vomiting and diarrhea. May be harmful.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use conditions.

Ecological toxicity	:	Specific ecological toxicity data regarding the finished product is not available.
Biodegradability	:	No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling : The product does not require a hazard warning label in accordance with EC directives.

Hazard Symbol : not applicable.

R-Phrases : None.

S-Phrases : None.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 11-A.2 Revision Date **15/01/2017**

Extra Volume Shampoo For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Extra Volume Shampoo For All Hair Types**

Product code : MO-EVS250

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible. Where a stomach flush is called for, this may require a silicone antifoaming compound, since the product contains foaming surfactants.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet or direct foam stream, as this may cause frothing and increase fire intensity.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. May produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx)
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into waterways. Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. For external use only. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use.
Precautions	:	Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	Use suitable gloves.

Skin Protection	**:**	Use suitable protective clothing. Avoid prolonged contact with skin and clothing.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles if splash hazards exist.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous liquid
Colour	:	Pearly white to pearly off-white
Odour	:	Characteristic
PH value	:	5.0-6.0
Solubility in water	:	Soluble
Density at 25ºC	:	1-1.10 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition Products	:	Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx)

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.
Risk phrases	:	None.
Safety phrases	:	S25 avoid contact with eyes.
Further information	:	Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – June 2015.

16. OTHER INFORMATION

Further information	:	None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 10.8 Revision Date **15/01/2017**

Extra Volume Conditioner For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Extra Volume Conditioner for All Hair Types**

Product code : MO-EVC250

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

Extra Volume Conditioner For All Hair Types

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product may result in eye irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before

		rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Hazardous decomposition products:		Carbon oxides (COx) and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides (NOx) Sulfur oxides (SOx) Hydrogen Chloride (HCl), Toxic gases.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into water courses.

		Notify authorities if a large quantity of the product enters sewers or water courses.
Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.
Precautions	:	Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Skin Protection	:	No special clothing/skin protection equipment is recommended under normal conditions of use.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous liquid
Colour	:	White to off-white
Odour	:	Characteristic
pH value	:	4-4.5
Solubility in water	:	Soluble
Density at 25°C	:	0.9-10.10 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition	:	

Products	Carbon oxides (COx) and traces of incompletely burned carbon compounds, Nitrogen oxides (NOx) Sulfur oxides (SOx) Hydrogen Chloride (HCl), Toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks	:	Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases : None.

Safety phrases : S25 avoid contact with eyes.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 16.4 Revision Date 15/01/2017

Hydrating Shampoo For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Hydrating Shampoo For All Hair Types**

Product code : MO-HYDS

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion : Never make an unconscious person vomit or drink fluids!

		Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible. Where a stomach flush is called for, this may require a silicone antifoaming compound, since the product contains foaming surfactants.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet or direct foam stream, as this may cause frothing and increase fire intensity.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released, may produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl) and toxic gases.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into waterways. Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods	**:**	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	**:**	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. For external use only. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Storage at temperature under 40°C is recommended.
Precautions	**:**	Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	Use suitable gloves.

Skin Protection	**:**	Use suitable protective clothing. Avoid prolonged contact with skin and clothing.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles if splash hazards exist.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous liquid
Color	:	White to rose
Odor	:	Characteristic
PH value	:	5.0-6.5
Density at 25°C	:	1.0-1.10 gr/ml
Viscosity	**:**	3000-7000 (cPs)

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition Products	:	None known when properly handled. Thermal decomposition may produce hazardous products such as: Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) (Sox) Hydrogen Chloride (HCl) and toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.
Risk phrases	:	None.
Safety phrases	:	S25 avoid contact with eyes.
Further information	:	Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – June 2015.

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 17.4 Revision Date **15/01/2017**

Hydrating Conditioner For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Hydrating Conditioner for All Hair Types**

Product code : MO-HYDC

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Ma'alot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation	:	Inhalation is an unlikely route of exposure. Accidental inhalation may irritate the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	Accidental exposure to the eye from the product may result in eye Irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion is an unlikely route of exposure. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	:	Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemicals.

Unsuitable extinguishing media : Do NOT use water jet.

Hazardous decomposition products: Carbon oxides (COx) and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl), Toxic gases.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into water courses.
Notify authorities if a large quantity of the product enters sewers or water courses.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing. Storage at temperature under 40°C is recommended.

Precautions : Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous liquid
Color	:	White to off-white
Odor	:	Characteristic
PH value	:	4.00 – 6.00
Solubility in water	:	Soluble
Density at 25°C	:	0.9-1.10 gr/ml
Viscosity	:	10000-20000 cPs

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition Products	:	Carbon oxides (COx) and traces of incompletely burned carbon compounds, Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl), Toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases : None.

Safety phrases : S25 avoid contact with eyes.

Further information : Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – July 2015.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 13.5 Revision Date **15/01/2017**

Moisture Repair Shampoo

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Moisture Repair Shampoo**

Product code : MRS1000, MRS500

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product may result in eye irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. Thermal decomposition may produce Carbon oxides (COx) and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides (NOx) Sulfur oxides (Sox) and formaldehyde.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	**:**	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into water courses.
Notify authorities if a large quantity of the product enters sewers or water courses.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use.

Precautions : Keep away from oxidizing agents and strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Skin Protection	:	No special clothing/skin protection equipment is recommended under normal conditions of use.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous lotion
Colour	:	Peach
Odour	:	Characteristic
pH value	:	5.5 – 6.5
Solubility in water	:	Soluble
Density at 20°C	:	app. 1.0 g/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents and strong acids.
Hazardous decomposition Products	:	None known when properly handled. Thermal decomposition may produce hazardous products such as: Carbon oxides (COx) and traces of incompletely burned carbon compounds, Nitrogen oxides (NOx) Sulfur oxides (Sox) and formaldehyde.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Contains an ingredient which is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
		R22	Harmful if swallowed.
Safety phrases	:	S25	Avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

Further information : None.

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MOROCCANOIL	**Safety Data Sheet**	Version 12.5 Revision Date 15/01/2017

Moisture Repair Conditioner

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Moisture Repair Conditioner**

Product code : MRC1000, MRC500

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product may result in eye irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Skin Contact	:	Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. Thermal decomposition may produce Carbon oxides (COx) and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides (NOx) Sulfur oxides (Sox) and formaldehyde.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	**:**	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into water courses.
Notify authorities if a large quantity of the product enters sewers or water courses.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use.

Precautions : Keep away from oxidizing agents and strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Skin Protection	:	No special clothing/skin protection equipment is recommended under normal conditions of use.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous lotion
Colour	:	Peach
Odour	:	Characteristic
pH value	:	3.5 – 4.5
Solubility in water	:	Soluble
Density at 20°C	:	app. 1.0 g/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents and strong acids.
Hazardous decomposition Products	:	None known when properly handled. Thermal decomposition may produce hazardous products such as: Carbon oxides (COx) and traces of incompletely burned carbon compounds, Nitrogen oxides (NOx) Sulfur oxides (Sox) and formaldehyde.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Contains an ingredient which is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
		R22	Harmful if swallowed.
Safety phrases	:	S25	Avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

Further information : None.

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MOROCCANOIL	**Safety Data Sheet**	Version 29.2 Revision Date **15/01/2017**

Moroccanoil –Smoothing Shampoo

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Smoothing Shampoo**

Catalog code MO70ML, MO250ML, MO500ML, MO1000ML

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 24952
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards : Possible fire hazard by product vapors ignition (additional information is given under section 7)

Potential Health effects : Please refer to section 11.

4. FIRST AID MEASURES

Eye contact : Flush for 10 minutes with running water. Call physician, if any irritation is presents
Inhalation : Not Dangerous

Ingestion : Give plenty milk or water. Call physician
Skin Contact : Not Dangerous

In case of leakage non skidding shoes are required

5. FIRE-FIGHTING MEASURES

Flash Point : Not available, expected to be >203 ^{o}F / 95 ^{o}C, based on composition.

Autoignition Temperature : Not applicable.

Flammability Limits in air : Not applicable.

Extinguishing media : On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2) dry chemical or water spray.

Water can be used to cool fire exposed containers.

Fire Fighting Measures : Non flammable

Hazardous Decomposition Products : None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions needed

Environmental precautions : No special precautions needed

Clean up methods : No special precautions needed

Further information : The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : No special precautions needed

Storage : No special precautions needed
Store between 5°C and 35°C

Precautions : None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : In case of inadequate ventilation use suitable respirator.

Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Eye protection	:	Wear approved safety goggles.
Hygiene measures	:	None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque Viscous Lotion
Colour	:	Light Yellow (Match To Standard)
Odour	:	Floral (Match to Standard)
pH value	:	5.5-6.5
Solubility in water	:	Insoluble
Specific gravity at 25°C	:	1.02-1.06

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	None
Hazardous decomposition Products	:	None

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation : None Toxic
Skin contact : None Toxic

Eye contact : Accidental exposure of the eye to the product may result in eye irritation. None Toxic

Ingestion : Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract. None Toxic

Toxicological tests : None Toxic

Additional information : N\A

12. ECOLOGICAL INFORMATION

Environmental fate and distribution: Low

Environmental effects : None

Fate and effects in waste water Treatment plants : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information : None.

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MOROCCANOIL	**Safety Data Sheet**	Version 30.2 Revision Date **15/01/2017**

Moroccanoil –Smoothing Conditioner

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Smoothing Conditioner**

Catalog code MO70ML, MO250ML, MO500ML, MO1000ML

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel
Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel
Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards : Possible fire hazard by product vapors ignition (additional information is given under section 7)

Potential Health effects : Please refer to section 11.

4. FIRST AID MEASURES

Eye contact : Flush for 10 minutes with running water. Call physician, if any irritation is presents
Inhalation : Not Dangerous

Ingestion : Give Plenty milk or water. Call physician
Skin Contact : Not Dangerous

In case of leakage non skidding shoes are required

5. FIRE-FIGHTING MEASURES

Flash Point : Not available, expected to be >203 ^{o}F / 95 ^{o}C, based on composition.

Autoignition Temperature : Not applicable.

Flammability Limits in air : Not applicable.

Extinguishing media	:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2) dry chemical or water spray. Water can be used to cool fire exposed containers.
Fire Fighting Measures	:	Non flammable
Hazardous Decomposition Products :		None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	No special precautions needed
Environmental precautions	:	No special precautions needed
Clean up methods	:	No special precautions needed
Further information	:	The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	No special precautions needed
Storage	:	No special precautions needed Store between 5°C and 35°C
Precautions	:	None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	In case of inadequate ventilation use suitable respirator.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Eye protection	:	Wear approved safety goggles.
Hygiene measures	:	None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque Viscous Lotion
Colour	:	Pale Yellow (Match To Standard)
Odour	:	Floral(Match To Standard)
pH value	:	4.7-5.3
Solubility in water	:	Insoluble
Specific gravity at 25°C	:	0.99-1.01

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : None

Hazardous decomposition Products : None

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation : None Toxic
Skin contact : None Toxic

Eye contact : Accidental exposure of the eye to the product may result in eye irritation. None Toxic

Ingestion : Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract. None Toxic

Toxicological tests : None Toxic

Additional information : N\A

12. ECOLOGICAL INFORMATION

Environmental fate and distribution : Low

Environmental effects : None

Fate and effects in waste water Treatment plants : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks	:	Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 5.8 Revision Date 15/01/2017

Intense Hydrating Mask For Medium To Thick Dry Hair

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Moroccanoil-Intense Hydrating Mask For Medium To Thick Dry Hair**

Catalog codes : ITHYDMK180, ITHYDMK250, ITHYDMK500

Use of the product : Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation : Not expected to be irritating to the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : May cause eye irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion unlikely.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air.

Eye contact : Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes.
Seek medical attention from a specialist if irritation persists.

Ingestion : Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label where possible.
Never give anything by mouth to an unconscious person.

Skin Contact : Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray or fog, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : Direct water stream may produce foam.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, hydrocarbons and/or derivatives, irritating and toxic fumes.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Environmental precautions : Prevent entry of large quantities into sewers and into public waters.
Notify authorities if a large quantity of the product enters sewers or public waters.

Clean up methods : Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	**:**	Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. Keep away from food, drink and animal dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Storage at temperature under 40°C is recommended.
Precautions	**:**	Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Skin Protection	**:**	No special clothing/skin protection equipment is recommended under normal conditions of use.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Color	:	Light yellow
Odor	:	Characteristic
pH value	:	4.0 – 6.5
Solubility in water	:	Partially miscible
Density at 25°C	:	0.90-1.00 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition products	:	None known when properly handled.

11. TOXICOLOGICAL INFORMATION

Respiratory	:	Not an expected route of exposure.
Ingestion	:	May cause nausea, vomiting and diarrhea. May be harmful.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use conditions.

Ecological toxicity : Specific ecological toxicity data regarding the finished product is not available.

Biodegradability : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling	:	The product does not require a hazard warning label in accordance with EC directives.
Hazard Symbol	:	Not applicable.
R-Phrases	:	None.
S-Phrases	:	None.

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 2.7 Revision Date **15/01/2017**

Restorative Hair Mask For Weakened And Damaged Hair

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Restorative Hair Mask for Weakened and Damaged Hair**

Catalog code : RHMK180ML, RHMK250ML, RHMK500ML.

Use of the product : Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation	:	Not expected to be irritating to the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion unlikely. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation	:	If respiratory irritation occurs, remove individual to fresh air.
Eye contact	:	Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Ingestion	:	Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible. Never give anything by mouth to an unconscious person.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray or fog, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : Direct water stream may produce foam.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Environmental precautions : Prevent entry of large quantities into sewers and into public waters.
Notify authorities if a large quantity of the product enters sewers or public waters.

Clean up methods : Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Color	:	Off-white to light yellow-orange
Odor	:	Characteristic
pH value	:	4.00-5.50
Solubility in water	:	Partially miscible
Density at 25°C	:	0.90-1.00 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Products	:	Oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

11. TOXICOLOGICAL INFORMATION

Respiratory	:	Not an expected route of exposure.
Ingestion	:	May cause nausea, vomiting and diarrhea. May be harmful.
Skin contact	:	May cause skin irritation.

Eye contact : May cause eye irritation. Some redness and/or stinging may occur.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use conditions.

Ecological toxicity : Specific ecological toxicity data regarding the finished product is not available.

Biodegradability : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling : The product does not require a hazard warning label in accordance with EC directives.

Hazard Symbol : not applicable.

R-Phrases : None.

S-Phrases : None.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 31.2 Revision Date **15/01/2017**

Moroccanoil –Smoothing Mask

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Smoothing Mask for unruly and frizzy hair**

Catalog code MO75ML, MO250ML, MO500ML,

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel
Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel
Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation	:	Not expected to be irritating to the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion unlikely. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation	:	If respiratory irritation occurs, remove individual to fresh air.
Eye contact	:	Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Ingestion	:	Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible. Never give anything by mouth to an unconscious person.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray or fog, carbon dioxide, foams or dry chemicals.
Unsuitable extinguishing media	:	Direct water stream may produce foam.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment.
Environmental precautions	:	Prevent entry of large quantities into sewers and into public waters. Notify authorities if a large quantity of the product enters sewers or public waters.
Clean up methods	:	Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.
Further information	:	The spilled product produces a slippery surface

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use. Storage at temperature range 15°C - 30°C is recommended.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : In case of inadequate ventilation use suitable respirator.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Eye protection : Wear approved safety goggles.

Hygiene measures : None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Colour	:	Creamy to light orange
Odour	:	Characteristic
pH value	:	4.8-5.5
Viscosity at 25°C	:	17000-35000 cPs
Density at 25°C	:	0.95-1.05 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Products	:	Oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation	:	None Toxic
Skin contact	:	None Toxic

Eye contact	:	Accidental exposure of the eye to the product may result in eye irritation. None Toxic
Ingestion	:	Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract. None Toxic
Toxicological tests	:	None Toxic
Additional information	:	N\A

12. ECOLOGICAL INFORMATION

Environmental fate and distribution	:	Low
Environmental effects	:	None
Fate and effects in waste water Treatment plants	:	No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling : The product does not require a hazard warning label in accordance with EC directives.

Hazard Symbol : not applicable.

R-Phrases : None.

S-Phrases : None.

16. OTHER INFORMATION

Further information : None.

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dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 15.6 Revision Date **15/01/2017**

Moroccanoil-Weightless Hydrating Mask for Fine Dry Hair

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Weightless Hydrating Mask for Fine Dry Hair**

Product code :

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation to sensitive persons.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Accidental ingestion of the product may cause gastrointestinal Irritation, nausea, May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention.

Ingestion : Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin thoroughly with soap and water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media : It is not recommended to use water jet or direct foam stream, as this may cause frothing.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx).

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into waterways.
Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
For external use only.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Storage at temperature under 40°C is recommended.

Precautions : Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : Use suitable gloves.

Skin Protection : Use suitable protective clothing.
Avoid prolonged contact with skin and clothing.

Eye protection : Avoid contact with eyes. Wear approved safety goggles if splash

hazards exist.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : cream

Colour : off-white to light beige

Odour : Characteristic

Viscosity : 6100-8000 cPs

pH value : 4.5-6.0

Solubility in water : Soluble

Density at 25ºC : 0.9- 1.0 gr/ml

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : Strong oxidizing agents.

Hazardous decomposition Products : Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx)

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
		R22	Harmful if swallowed
Safety phrases	:	S25	avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet
GHS H phrases	:	H401/413	Toxic to aquatic life, May cause long lasting effects to aquatic life
		H302	Harmful if swallowed
GHS P phrases	:	P273	Avoid release to the environment
Further information	:	None	

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 9.6 Revision Date **15/01/2017**

Curl Control Mousse For Curly To Tightly Spiraled Hair

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Curl Control Mousse for Curly to Tightly Spiraled Hair**

Product code : MO-CDM150

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation	:	Accidental inhalation may irritate the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	Accidental exposure to the eye from the product may result in eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion is an unlikely route of exposure. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	:	Never make an unconscious person vomit or drink fluids!

		Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Skin Contact	:	Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Hazardous decomposition products	:	Carbon oxides (COx) Nitrogen oxides (NOx) Hydrogen chloride gas.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into water courses. Notify authorities if a large quantity of the product enters sewers or water courses.
Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.

Precautions : Keep away from oxidizing agents, strong reducing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear liquid
Colour	:	Colorless
Odour	:	Characteristic
PH value	:	4.0 – 5.5
Solubility in water	:	Soluble
Density at 25°C	:	1-1.10 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong reducing agents.
Hazardous decomposition Products	:	Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.
Risk phrases	:	None.
Safety phrases	:	S25 avoid contact with eyes.
Further information	:	Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 47th amendment – June 2013.

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 7.6 Revision Date **15/01/2017**

Curl Defining Cream For Wavy To Curly Hair

1. IDENTIFICATION OF PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Curl Defining Cream for Wavy to Curly Hair**

Product code : MO-CCC250

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation	:	Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.
Skin contact	:	May cause skin irritation.
Eye contact	:	Accidental exposure to the eye from the product may result in eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion is an unlikely route of exposure. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation	**:**	If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.
Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Skin Contact	:	Rinse skin with mild soap and plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Hazardous decomposition products	:	Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx) Hydrogen chloride gas.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into water courses. Notify authorities if a large quantity of the product enters sewers or water courses.
Clean up methods	:	Collect spills into appropriated container with a lid. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product produces a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing.
Precautions	:	Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Skin Protection	:	No special clothing/skin protection equipment is recommended under normal conditions of use.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Colour	:	Off-white
Odour	:	Characteristic
pH value	:	4.0 – 5.5
Solubility in water	:	Partially miscible
Density at 25°C	:	0.9-1 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong reducing agents, strong acids and bases.
Hazardous decomposition Products	:	Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (SOx) Hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

Ecological toxicity : Specific ecological toxicity data regarding the finished product is not available.

Biodegradability : No data is available regarding the finished product.

Environmental fate and distribution: Specific data regarding the finished product is not available.

Environmental effects : No data is available regarding the finished product.

Fate and effects in waste water Treatment plants : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases : None.

Safety phrases : S25 avoid contact with eyes.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 60.2 Revision Date **23/01/2017**

MOROCCANOIL- CURL RE- ENERGIZING SPRAY

Section 1: INDENTIFICATION	
1.0 GHS Product Identifier	
Product Name:	**MOROCCANOIL- CURL RE- ENERGIZING SPRAY**
1.1 Use of the product:	**Personal hair care product**
1.2 Recommended use of the chemical and restrictions on use	For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.
1.3 Supplier Details:	
Supplier:	Moroccanoil Israel Ltd.
Office:	16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 7565835 Israel
1.4 Emergency Phone Number: In case of medical emergencies, please contact your local poisons	Europe: +41 44 251 51 51 USA : 1 800 222 1222 Israel : +972 4 854 1900

Section 2: HAZARD(S) IDENTIFICATION					
2.1 Classification of substance or mixture					
Not Classified					
2.2 Globally Harmonized System (GHS) label elements, including precautionary statement					
Hazard Classification:	Category	Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
None	None	None	None	For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.	None
2.3 Other Information					

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES	
4.1 Description of necessary first-aid measures	
Ingestion:	If swallowed, do not induce vomiting. Seek medical attention if indicated.
Skin:	May cause slight irritation. Seek medical attention if indicated
Inhalation:	Not Applicable
Eyes:	In case of contact, flush eyes with plenty of water. Seek medical attention if indicated.
4.2 Indication of immediate medical attention and special treatment needed if necessary (of mixture).	
None known	

MOROCCANOIL- CURL RE- ENERGIZING SPRAY

Section 5: FIRE FIGHTING MEASURES	
5.1 Suitable Extinguishing Media	Water, Water Spray, Carbon Dioxide (CO2), Dry Powder, Foam.
Unsuitable Extinguishing Media	Not Available
5.2 Specific Hazards arising from the chemical:	None known
Sensitivity to mechanical impact	Not Available
Sensitivity to static discharge	Not Available
5.3 Protective Equipment and Precautions for Firefighters	Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES	
6.1 Action taken if material is spilled or released:	Obtain proper PPE equipment. Large spills should be contained and pumped into adequate containers for disposal. Smalls spills should be wiped up with inert material and placed in appropriate disposal container.
6.2 Environmental Precautions:	Avoid allowing product to reach sewage system or any waterways. Inform appropriate authorities in case of seepage into waterways or sewage system.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace.

7.2 Conditions for safe storage, including any incompatibles.
Store at room temperature. Keep container tightly closed. Keep away from incompatibles such as oxidizing agents, acids, alkalis, and moisture.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION	
8.1 Engineering Controls:	None required under normal conditions.
8.2 Personal Protection Equipment:	
Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure in industrial environment.
Other Protective Equipment:	None required
8.3 Ventilation:	None required under normal conditions

MOROCCANOIL- CURL RE- ENERGIZING SPRAY

Section 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Thin Liquid
Odor:	Conforms to Standard
Color:	Conforms to Standard
pH:	4.25 – 6.00
Specific Gravity 25°C:	0.96 – 1.02 g/mL
Viscosity:	< 20 cps
Solubility (ies):	Soluble
Melting/Freezing Point:	N/D
Boiling Point:	N/D
Flammability:	N/D
Flash Point:	N/D
Upper/lower flammability or explosive limits:	N/D
Evaporation Rate:	N/D
Relative Density	N/D
Auto ignition temperature:	N/D
Decomposition temperature:	N/D
Vapor Pressure	N/D
Vapor Density	N/D
Partition coefficient; n-octanol/water	N/D

*N/D: Not Determined

Section 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	Not reactive
10.2 Chemical stability:	Stable under normal temperature and pressure.
10.3 Possibility of hazardous reactions:	None known
10.4 Conditions to avoid:	None known
10.5 Incompatible Materials	Oxidizing agents, acids and alkalis

Section 11: TOXICOLOGICAL INFORMATION

For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers and the manufacturer is not aware of any significant potential for adverse reactions.

Section 12: ECOLOGICAL INFORMATION	
12.1 Info **Summary of Ecological information**: Balance of data on mixture as a whole, not determined.	
12.2 Eco **toxicological properties of specific substances**: See each category below for specific substances.	
12.3 Toxicity Eco toxicity (aquatic and terrestrial, where available): Acute Fish Toxicity: LC50 / 96 HOUR – Not determined Toxicity to aquatic plants not determined. Toxicity to microorganisms not determined. Toxicity Threshold/ Not Determined.	
12.4 Persistence and degradability:	Biodegradation is expected
12.5 Bio accumulative potential:	Bioaccumulation is unlikely
12.6 Mobility in soil:	Unknown
12.7 Other adverse effects:	Unknown

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Method: All waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

Section 14: TRANSPORT INFORMATION	
14.1 Department of Transportation Information	
Shipping Name:	No Specific Requirement.
Hazard Class:	Non-Regulated
Label (s):	NONE
UN/NA Number:	NONE
Placards:	NONE
14.2 International Transportation Classifications	
IATA, International Air Transportation	Non-Regulated
IMDG, International Maritime Dangerous Goods	Non-Regulated

Section 15: REGULATORY INFORMATION
15.1 Labeling – (Hazards Symbols)
National Fire Protection Association: Health = 0; Flammability = 0; Reactivity = 0; Special Hazard = none
Hazardous Materials information: Health = 0; Flammability = 0; Reactivity = 0; Personal Protection = D
Hazard Rating: None= 0; Minimal = 1; Moderate = 2; Severe = 3; Extreme= 4

Section 16: OTHER INFORMATION

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

MOROCCANOIL	**Safety Data Sheet**	Version 4.6 Revision Date **15/01/2017**

Intense Curl Cream For Wavy To Curly Hair

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Intense Curl Cream for Wavy to Curly Hair**

Product code : ITCC90ML, ITCC300ML, ITCC500ML

Use of the product : Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation : Not expected to be irritating to the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : May cause eye irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion unlikely.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air.

Eye contact : Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist, if irritation persists.

Ingestion : Rinse mouth and drink 1-2 glasses of water. Seek medical advice and show the label where possible.

Never give anything by mouth to an unconscious person.

Skin Contact : Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray or fog, carbon dioxide, foams or dry chemicals.

Unsuitable extinguishing media : Direct water stream may produce foam.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon, hydrocarbons and/or derivatives.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment.

Environmental precautions : Prevent entry of large quantities into sewers and into public waters.
Notify authorities if a large quantity of the product enters sewers or public waters.

Clean up methods : Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Storage at temperature under 40°C is recommended. Avoid extreme temperature changing.

Precautions : Keep away from oxidizing agents, Strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Color	:	light- orange
Odor	:	Characteristic
pH value	:	4.0 – 6.0
Solubility in water	:	Partially miscible
Density at 25°C	:	0.90-1.00 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition products	:	Oxides of carbon, hydrocarbons and/or derivatives.

11. TOXICOLOGICAL INFORMATION

Respiratory	:	Not an expected route of exposure.
Ingestion	:	May cause nausea, vomiting and diarrhea. May be harmful.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use conditions.

Ecological toxicity : Specific ecological toxicity data regarding the finished product is not available.

Biodegradability : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling	:	The product does not require a hazard warning label in accordance with EC directives.
Hazard Symbol	:	Not applicable
R-Phrases	:	None.
S-Phrases	:	None.

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 18.2 Revision Date **15/01/2017**

MOROCCANOIL-Dry Scalp Treatment

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name **Moroccanoil-Dry Scalp Treatment**

Catalog code MO-DRYSCALP45
Use of the product Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel
Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel
Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. HAZARDS IDENTIFICATION

MAIN HAZARDS

None.

HEALTH EFFECTS

Not irritant for the skin.

ENVIRONMENTAL HAZARDS

Do not throw the product into the environment.

SPECIFIC RISKS

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

"MOROCCANOIL – Dry Scalp Treatment"

Nature: Preparation containing:

Names	% (w/w)	N° CAS	N°EINECS	Symbols	R-Phrases	Limiting values
SALICYLIC ACID	≤ 1	69-72-7	200-712-3	Xn - harmful	R22, R41	-

4. FIRST AID MEASURES

GENERAL ADVICE

No particular measure is required.

INHALATION

No particular measure is required.

EYE CONTACT

Wash well-open eyes immediately and abundantly with water for at least 15 minutes.

Consult an ophthalmologist.

SKIN CONTACT

No particular measure is required.

INGESTION

Do not induce vomiting, rinse mouths and lips with plenty of water if the subject is conscious.

Seek medical advice immediately and show this container or label.

5. FIRE - FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO_2), dry chemical powder, water with additives.

UNSUITABLE EXTINGUISHING MEDIA

Water jet.

SPECIFIC HAZARDS

In case of fire, product decompose in carbon oxides (CO and CO_2)

SPECIAL EQUIPMENT OF SAFETY

Wear a self-contained breathing apparatus in pressure-demand and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Be careful, floor could be slippery.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains or water courses.

Eliminate waste in accordance with all the national regulations in force.

METHODS FOR CLEANING UP

Collect residues with a shovel and put them in an identified container.

Eliminate in accordance with local regulation.

Wash the contaminated area with plenty of water.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with eyes.

STORAGE

Keep out of the reach of children.

Store in original container.

Protect from all contamination.

These containers should only be used for this product.

Keep hermetically closed packing.

Avoid long exposure to heat and light.

CAUTIONS FOR USE

Do not swallow.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITING VALUES

Ingredients with limiting values to survey: none.

EXPOSURE CONTROL

Professional exposure control

Skin protection	:	In case of long or repeated contact, wear suitable gloves.
Respiratory protection	:	Not necessary for a normal use of the product.
Eye protection	:	If the contact with product is possible, use chemical safety goggles.
Industrial hygiene	:	When using do not eat, drink or smoke. Wash the hands well before/after handling.

Exposure control relative to environment protection:

Do not let penetrate into drains, subsoil waters and surface waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Oily limpid liquid.
COULOUR	:	Slightly yellow.
ODOUR	:	Characteristic of lavender and geranium essential oils.
pH (20°C)	:	-
BOILING POINT/RANGE	:	-
MELTING POINT/RANGE	:	-
FLASH POINT	:	-
VAPOUR PRESSURE (20°C)	:	-
DENSITY (20°C)	:	0.920 – 0.960
SOLUBILITY IN WATER	:	-

SOLUBILITY IN OIL : -

OTHER DATA : -

10. STABILITY AND REACTIVITY

STABILITY

Stable 36 months in the recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid long exposure to heat and light.

MATERIALS TO AVOID

No data available.

DANGEROUS DECOMPOSITION PRODUCTS

In case of fire, product decompose in carbon oxides (CO and CO_2)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation	:	No data available.
Ingestion	:	No data available.
Cutaneous irritation	:	No data available.
Ocular irritation	:	No data available.

LOCAL EFFECTS

Cutaneous irritation	:	Not irritant.

SENSITISING

Cutaneous irritation	:	No data available.
CHRONIC TOXICITY	:	No data available.
CYTOTOXICITY	:	Insignificant cytotoxicity.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	:	No data available.
MOBILITY	:	No data available.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATION POTENTIAL	:	No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT OR RESIDUE

Do not discharge into sewers or into the environment.

Eliminate in accordance with local regulation.

DIRTY PACKING.

Eliminate in accordance with local regulation.

14. TRANSPORT INFORMATION

This product is not covered by the international regulation on dangerous good transport. (IMDG, ADR, RID and OACI/IATA).

15. REGULATORY INFORMATION

This product is classified cosmetic in agreement with directive 76/768/EC.

16. OTHER INFORMATION

Risk phrases and safety phrases mentioned in the point 3: "Composition / Information on ingredients" are presented hereafter :

R22 : Harmful if swallowed

R41 : Risk of serious damage to eyes

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MOROCCANOIL	**Safety Data Sheet**	Version 19.2 Revision Date **15/01/2017**

MOROCCANOIL-Oily Scalp Treatment

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name **Moroccanoil-Oily Scalp Treatment**

Catalog code MO-OILYSCALP45
Use of the product Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel
Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel
Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. HAZARDS IDENTIFICATION

MAIN HAZARDS

None.

HEALTH EFFECTS

Not irritant for the skin.

By the presence of Linalool, risk of allergic reactions.

ENVIRONMENTAL HAZARDS

Do not throw the product into the environment.

SPECIFIC RISKS

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

"MOROCCANOIL – Oil Scalp Treatment"

Nature: Preparation containing:

Names	% (w/w)	N° CAS	N°EINECS	Symbols	R-Phrases	Limiting values
ALCOHOLS, C12-15, ETHOXYLATED	≤ 3	68131-39-5	500-195-7	Xn - harmful	R22, R41	-

4. FIRST AID MEASURES

GENERAL ADVICE

No particular measure is required.

INHALATION

No particular measure is required.

EYE CONTACT

Wash well-open eyes immediately and abundantly with water for at least 15 minutes.

Consult an ophthalmologist.

SKIN CONTACT

No particular measure is required.

INGESTION

Do not induce vomiting, rinse mouths and lips with plenty of water if the subject is conscious.

Seek medical advice immediately and show this container or label.

5. FIRE - FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO_2), dry chemical powder, water with additives.

UNSUITABLE EXTINGUISHING MEDIA

Water jet.

SPECIFIC HAZARDS

In case of fire, product decompose in carbon oxides (CO and CO_2)

SPECIAL EQUIPMENT OF SAFETY

Wear a self-contained breathing apparatus in pressure-demand and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Be careful, floor could be slippery.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains or water courses.

Eliminate waste in accordance with all the national regulations in force.

METHODS FOR CLEANING UP

Collect residues with a shovel and put them in an identified container.

Eliminate in accordance with local regulation.

Wash the contaminated area with plenty of water.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with eyes.

STORAGE

Keep out of the reach of children.

Store in original container.

Protect from all contamination.
These containers should only be used for this product.

Keep hermetically closed packing.

Avoid long exposure to heat and light.

CAUTIONS FOR USE

Do not swallow.

Do not use for children under 3 years old.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITING VALUES

Ingredients with limiting values to survey: none.

EXPOSURE CONTROL

Professional exposure control

Skin protection	:	In case of long or repeated contact, wear suitable gloves.
Respiratory protection	:	Not necessary for a normal use of the product.
Eye protection	:	If the contact with product is possible, use chemical safety goggles.
Industrial hygiene	:	When using do not eat, drink or smoke. Wash the hands well before/after handling.

Exposure control relative to environment protection:

Do not let penetrate into drains, subsoil waters and surface waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Brilliant opaque gelled lotion.
COULOUR	:	Orangey
ODOUR	:	Characteristic of lavender and ginger essential oils.
pH (20°C)	:	5.00 - 5.50
BOILING POINT/RANGE	:	-
MELTING POINT/RANGE	:	-
FLASH POINT	:	-
VAPOUR PRESSURE (20°C)	:	-
DENSITY (20°C)	:	0.980 - 1.020
SOLUBILITY IN WATER	:	-
SOLUBILITY IN OIL	:	-
OTHER DATA	:	-

10. STABILITY AND REACTIVITY

STABILITY

Stable 36 months in the recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid long exposure to heat and light.

MATERIALS TO AVOID

No data available.

DANGEROUS DECOMPOSITION PRODUCTS

In case of fire, product decompose in carbon oxides (CO and CO_2)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation : No data available.

Ingestion : No data available.

Cutaneous irritation : No data available.

Ocular irritation : No data available.

LOCAL EFFECTS

Cutaneous irritation : Not irritant.

SENSITISING

Cutaneous irritation : No data available.

CHRONIC TOXICITY : No data available.

CYTOTOXICITY : Low cytotoxicity.

12. ECOLOGICAL INFORMATION

ECOTOXICITY : No data available.

MOBILITY : No data available.

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATION POTENTIAL : No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT OR RESIDUE

Do not discharge into sewers or into the environment.

Eliminate in accordance with local regulation.

DIRTY PACKING.

Eliminate in accordance with local regulation.

14. TRANSPORT INFORMATION

This product is not covered by the international regulation on dangerous good transport. (IMDG, ADR, RID and OACI/IATA).

15. REGULATORY INFORMATION

This product is classified cosmetic in agreement with directive 76/768/EC.

16. OTHER INFORMATION

Risk phrases and safety phrases mentioned in the point 3: "Composition / Information on ingredients" are presented hereafter :

R22 : Harmful if swallowed

R41 : Risk of serious damage to eyes

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

LABORATORIES

******SAFETY DATA SHEET******

1. IDENTIFICATION

1.1	**Product Name:** BEACH WAVE MOUSSE
1.2	**Product Identification:** 209-13B PKG 2-6C
1.3	**Recommended Use / Product Use:** Hair Care
1.4	**Manufacturer's Name:** 2-2-0 LABORATORIES Inc.
1.5	**Manufacturer's Address:** 2375 Third St, Riverside, CA 92507
1.6	**Business Phone:** TEL: (951) 683-2912 FAX: (951) 683-0952
1.7	**Emergency Phone:** Chemtrec (24 hours) 1-800-424-9300 (Toll-Free in the USA) For international calls: 011-703-527-3887 (Collect calls are accepted) Contract # CCN5*

2. HAZARD IDENTIFICATION

SECTION 2.1

NON-Flammable aerosol, category 3 **Warning** **Pressurized Container: May burst if heated**

2.2	HEALTH	ENVIRONMENTAL	PHYSICAL

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture / CBI

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

CHEMICAL IDENTITY	CAS #	EINECS#	% (In Total Formula)	FLASHPOINT	OTHER
Isobutane	75-28-5	200-857-2	1 - 10	- 132.23ºF	1,3-butadiene < 1ppm
Propane	74-98-6	200-827-9	1 - 10	- 156ºF	1,3-butadiene < 1ppm

3.1 Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.

None present

3.2

- Mixture: The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cut-off levels.
- Cut-off level for reproductive toxicity, carcinogenicity and category 1 mutagenicity is ^{3} 0.1%

Cut-off level for all other hazard classes is ^{3} 1%

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

None present

4. FIRST AID MEASURES

4.1 **First Aid:**

INGESTION: Drink enough water to dilute. Consult physician immediately

	EYES:	Flush eyes with plenty of water to ensure complete flushing. e.g., Eye wash station for 15 minutes. If irritation persists, seek medical attention
	SKIN:	Wash thoroughly with mild soap and water. If irritation persists, seek medical attention
	INHALATION:	Remove victim to fresh air at once. If breathing is difficult, seek medical attention
4.2	**Medical Conditions Aggravated by Exposure:** Pre-existing respiratory and skin disorder apparatus and full protective clothing.	
	5. FIREFIGHTING MEASURES	
5.1	**Extinguishing Methods: (suitable and unsuitable)**	CO_2, Foam, Dry Chemical, and Water Spray
5.2	**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).**	Closed containers exposed to excessive heat may rupture. Do not crush or puncture containers.
5.3	**Special protective equipment and precautions for firefighters.**	Fire should be fought from a safe distance. Firefighters should wear full face, self-contained breathing apparatus.
	6. ACCIDENTAL RELEASE MEASURES	
6.1	**Personal precautions, protective equipment and emergency procedures:**	**Ventilation:** Use with adequate ventilation **Respiratory:** None required, when used with adequate ventilation
6.2	**Environmental Precautions:**	**Do not dispose of product into storm drains or waterways.**
6.3	**Methods and materials for containment and cleaning up**. Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures in section 7 and 8. Product is packed in aerosol containers. Dispose of any leaking aerosols per site instructions after placing in safe fireproof containers with leaking material absorbed by earth or other non-flammable absorbent.	
	7. HANDLING & STORAGE	
7.1	**Precautions for Safe Handling:** Wash hands thoroughly after using this product and before eating, drinking, or smoking	
7.2	**Conditions for safe storage, including any incompatibilities.** Keep away from excessive heat, open flames, sparks, and other possible source of ignition. Do not store in damaged or unmarked containers or storage devices. For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material handling equipment. With use, spray aerosol carefully and cap after each use.	
	8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
8.1	**Control parameters, e.g., occupational exposure limit values or biological limit values.**	
8.2	**Appropriate engineering controls.**	
8.3	**Personal Protective Equipment:** None required under normal conditions of use. When handling large quantities (e.g., $\geq$ 1 gallon), wear protective eyeglasses, gloves, boot, and apron per OSHA regulations (29 CFR 1910.133)	

CHEMICAL IDENTITY	CAS #	EINECS#	EXPOSURE LIMITS IN AIR		OTHER
			TLV ppm	PEL ppm	
Isobutane	75-28-5	200-857-2	800	800	Unknown
Propane	74-98-6	200-827-9	1000	1000	Unknown

	9. PHYSICAL & CHEMICAL PROPERTIES		
	ND = NO DATA / N/A = NOT APPLICABLE		
		CONCENTRATE:	**AEROSOLIZED PRODUCT:**
9.1a	**Appearance:**	Opaque liquid	Foam
9.1b	**Color:**	Off-white	White
9.1c	**Specific Gravity:**	$\geq$1.0	N/A
9.1d	**Viscosity:**	N/A	N/A
9.2	**Odor**	TO MATCH STANDARD	TO MATCH STANDARD
9.3	**Odor Threshold**	TO MATCH STANDARD	TO MATCH STANDARD

9.4	**pH:**	≥ 4.0 - ≤10.0	N/A
9.5	**Melting point/freezing point**	ND	N/A
9.6	**Initial Boiling Point and Boiling Range:**	ND	N/A
9.7	**Flashpoint:**	ND	N/A
9.8	**Evaporation Rate**	ND	N/A
9.8	**Flammability: solid/gas**	Liquid	Aerosol Foam
9.9	**Upper/lower flammability or explosive limits**	ND	N/A
9.10	**Vapor pressure**	ND	N/A
9.11	**Vapor density**	ND	N/A
9.12	**Relative density**	See specific gravity	N/A
9.13	**Solubiity(ies)**	WATER	WATER
9.14	**Partition coefficient: n-octanol/water**	ND	N/A
9.15	**Autoignition temperature**	ND	N/A
9.16	**Decomposition temperature**	ND	N/A

10. STABILITY & REACTIVITY

10.1	**Chemical Stability:**	Stable under normal conditions of use
10.2	**Possibility of hazardous reactions:**	Hazardous polymerization will not occur.
10.3	**Conditions to Avoid:**	Use or storage near open flames, sparks, high heat (>100°F) or other heat sources
10.5	**Incompatible Substances:**	Strong oxidizing agents
10.2	**Hazardous Decomposition Products:**	Irritating vapors and toxic gases when involved in fire

11. TOXICOLOGICAL INFORMATION

11.1 TYPES OF EXPOSURE:

ROUTES OF EXPOSURE:	**Skin**	X	**Inhalation**	X	**Eyes**	X	**Ingestion**	X	

	HEALTH EFFECTS OF EXPOSURE:	**IMMEDIATE**	**CHRONIC**
	INGESTION:	May cause gastrointestinal irritation	Seek medical attention if symptoms persist.
	EYES:	Liquid and vapor may cause mild to severe eye irritation.	Seek medical attention if symptoms persist.
	SKIN:	Repeated contact may cause irritation and drying of the skin. **Contact with propellant may cause freeze burns.**	Seek medical attention if symptoms persist.
	INHALATION:	Vapor may cause irritation to the upper respiratory tract	Seek medical attention if symptoms persist.

12. ECOLOGICAL INFORMATION

12.1	There is no data available on the product itself. VOC = ≤6.0%
12.2	The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.

13. DISPOSAL CONSIDERATIONS

13.1	Dispose of in accordance with federal, state or local regulations.

14. TRANSPORT INFORMATION

14.1	SHIPPING NAM E		49CFR (GND) CONSUMER COMMODITY, ORM-D (≤ 1.0L) or
		Regulated	49 CFR (GND) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." or
		Regulated	49 CFR (GND) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, or
		Regulated	IATA (AIR) ID 8000, CONSUMER COMMODITY, 9 or
		Regulated	IATA (AIR) UN 1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." or
		Regulated	IATA (AIR) UN 1950, AEROSOLS, NON-FLAMMABLE, 2.2 or
		Regulated	IMDG (OCN) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, "LTD. QTY." or
		Regulated	IMDG (OCN) UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 CHOOSE FROM THE FOLLOWING SYMBOLS:
			
14.2	HAZCHEM CODE:	Regulated	Aerosol Level: (1)
14.3	MARINE POLLUTANT:	N	49 CFR Appendix B Section 172.101

15. REGULATORY INFORMATION

15.1	Contents of this SDS comply with the OSHA Hazard Communication Standard CFR 1910.1200: *The Globally Harmonized System of Classification and Labelling of Chemicals* (GHS)
15.2	**EPA SARA Title III Chemical Listings** Section 302 Extremely Hazardous Substances: None Section 304 CERCLA Hazardous Substances: None Section 313 Toxic Chemicals: None present or none present in regulated quantities.
15.3	California Proposition 65: No reportable components
	UN GHS: Globally Harmonized System of Classification and Labelling of Chemicals (GHS) ("The Purple Book"), United Nations, 2005 First Revised Edition, available online or from United Nations Publications. UN GHS website
	USA: Federal Hazardous Materials Transportation Law (49 U.S.C. 5101 *et seq.*).
	USA: OSHA Hazard Communication Standard 29 CFR 1910.1200.

16. OTHER INFORMATION: including information on preparation and revision of the SDS

16.1	Version: 1 Revision: 0 Date: 2015-08-31 Author/Initials: Victoria C. Voss / V.C.V.
16.2	**Disclaimer:** This Safety Data Sheet is offered pursuant to **Globally Harmonized System (GHS)** OSHA's Hazard Communication Standard, 29 CFR § 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of 2-2-0 Laboratories Inc.'s knowledge, the information contained herein is reliable and accurate as of the date issued; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided.

16.3	**Definitions:** ***Aerosols*** means any non-refillable receptacles made of metal, glass or plastics and containing a gas compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state. Aerosol includes aerosol dispensers. ***Mixture*** means a mixture or a solution composed of two or more substances in which they do not react. ***CBI*** means "confidential business information". **Carcinogenicity**: Carcinogen means a chemical substance or a mixture of chemical substances which induce cancer or increase its incidence. Substances and mixtures in this hazard class are assigned to one of two hazard categories. Category 1 has two subcategories. The Carcinogenicity Guidance Section in the GHS Document includes comments about IARC. ***AEL*** is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence (DuPont™ DYMEL A propellant – Material Safety Data Sheet Version 2.2, 11-02-2011).

MOROCCANOIL	**Safety Data Sheet**	Version 57.3 Revision Date **23/01/2017**

MOROCCANOIL- BLOW DRY CONCENTRATE

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **MOROCCANOIL- BLOW DRY CONCENTRATE**

Catalog code MOS10ML, MO25ML, MO50ML, MO100ML, MO120ML, MO200ML

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards : Possible fire hazard by product vapors ignition (additional information is given under section 7)

Potential Health effects : Please refer to section 11.

4. FIRST AID MEASURES

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Inhalation : Remove to fresh air.

Ingestion : Never make an unconscious person vomit or drink fluids!
Rinse mouth thoroughly.
Seek medical advice and show the label when possible.

Skin Contact : Rinse skin with water and mild soap. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Flash Point	**:**	Not available, expected to be >158 ^{o}F / 70 ^{o}C, based on composition.
Autoignition Temperature	**:**	Not determined.
Flammability Limits in air	**:**	Not determined.
Extinguishing media	:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2) dry chemical or water spray. Water can be used to cool fire exposed containers.
Fire Fighting Measures	:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.
Hazardous Decomposition Products :		carbon oxides, traces of incompletely burned carbon compounds. Silicon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal Protection equipment recommendations described in sections 8.
Environmental precautions	**:**	Prevent from spreading or entering into drains, ditches or waterways by using sand, earth or other appropriate barriers.

Clean up methods	:	Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by embanking, etc... procedures. Avoid sparks, flames, heat and smoking. Ventilate. Mop, wipe or soak up with absorbent material and place in appropriate container. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.
Further information	:	The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid inhalation of vapors. Avoid all unnecessary exposure. Keep away from food, drink and animal dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
Storage	:	Keep only in the original glass bottles in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.
Precautions	:	Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by taking precautionary measures against static discharges. Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	In case of inadequate ventilation use suitable respirator.
Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Eye protection	:	Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear viscous liquid
Colour	:	Yellowish – brown
Odour	:	Characteristic
pH value	:	Not applicable
Viscosity at 25°C	:	600 - 1000 cSt
Solubility in water	:	Insoluble
Specific gravity at 25°C	:	app. 0.95

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : Strong oxidizing substances.

Hazardous decomposition Products : Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.
Accidental inhalation of the product spray, is unlikely to cause irritation of the nose and upper respiratory tract.

Skin contact : May cause skin irritation.
Repeated exposure to the product is unlikely to produce allergy by skin contact. Exposure to this product is unlikely to result in phototoxic effects.

Eye contact : Accidental exposure of the eye to the product may result in eye irritation.

Ingestion : Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract.

Toxicological tests	:	No data is available regarding the finished product.
Additional information	:	Toxicological assessment of the finished product is available and will be sent upon request.

12. ECOLOGICAL INFORMATION

Environmental fate and distribution:		Specific data regarding the finished product is not available. Complete information regarding the product ingredients is not yet available.
Environmental effects	:	No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.
Fate and effects in waste water Treatment plants	:	No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S25	Avoid contact with eyes.
		S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

SAFETY DATA SHEET

Issue Date No data available **Revision Date** 21-Aug-2015 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name Moroccan Oil - Texture Spray

Other means of identification

Product Code 19-611
UN/ID no. UN 1950 IMCO Class 2.1
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available.
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address
American Spraytech
205 Meister Avenue
Branchburg, NJ 08876

Emergency telephone number

Company Phone Number 908-725-6060
24 Hour Emergency Phone Number Chemtrec 1-800-424-9300
Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity	Category 1A

Label elements

Emergency Overview

Danger

Hazard statements
May cause cancer



Appearance Spray	**Physical state** Aerosol	**Odor** No information available

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
May be harmful if swallowed

Unknown acute toxicity 70.381% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Ethanol	64-17-5	10 - 30	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Discontinue use of product. Wash affected area with soap and water. If discomfort persists, consult a physician.

Inhalation If respiratory irritation occurs, remove individual to fresh air. If discomfort persists, consult a physician. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. If breathing is affected due to intentional inhalation, remove patient to fresh air, get emergency attention, and administer artificial respiration and/or oxygen.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Hydrocarbons, Volatile organic compounds, Halocarbons, Dimethyl Ether

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge May be ignited by heat, sparks or flames.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

For emergency responders Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Remove all sources of ignition. Pay attention to flashback. Wear respiratory protection. Ventilate the area.

Environmental precautions

Environmental precautions The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with conventional solid waste management practices. Aerosol containers are recyclable when empty.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dispose of in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Flammable. Avoid heat, sparks, flame, or smoking during use. Use only in well-ventilated areas. Contents under pressure. Do not crush, puncture or incinerate. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store as an aerosol under the proper aerosol classification level in accordance with NFPA 30B. Store in a cool, dry, well-ventilated area below 120°F. Warehousing should be in compliance with local, state, and federal codes, as well as the regulations of your insurance carrier.

Packaging materials No information available.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m^3

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Aerosol
Appearance Spray
Color No information available
Odor No information available
Odor threshold No information available

Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	No information available	
Boiling point concentrate	78.5 °C	
Boiling point propellant	-26.1 °C	
Flash point	No information available	
Flash point concentrate	13-16 °C	
Flash point propellant	-50 °C	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	Insoluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	

Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	<55%
Density	No information available
Bulk density	0.8040 - 0.9040 g/cc

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.
Possibility of Hazardous Reactions
None under normal processing.
Conditions to avoid
Extremes of temperature and direct sunlight.
Incompatible materials
None known based on information supplied.
Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available

Inhalation No data available.

Eye contact No data available.

Skin contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X

64-17-5				

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 2,786.00
ATEmix (dermal) 27,722.00
ATEmix (inhalation-dust/mist) 176.00

12. ECOLOGICAL INFORMATION

Ecotoxicity

76.816 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethanol 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Zeolite 1318-02-1	18: 96 h Desmodesmus subspicatus mg/L EC50	1800: 96 h Brachydanio rerio mg/L LC50 semi-static 3200 - 5600: 96 h Oryzias latipes mg/L LC50 semi-static 1800 - 3200: 96 h Poecilia reticulata mg/L LC50 semi-static	1000 - 1800: 48 h Daphnia magna mg/L EC50
Glycerol 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	500: 24 h Daphnia magna mg/L EC50

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Chemical Name	Partition coefficient
Ethanol 64-17-5	-0.32

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

Chemical Name	California Hazardous Waste Status
Ethanol 64-17-5	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT Regulated

UN/ID no.	UN 1950 IMCO Class 2.1
Proper shipping name	Aerosols, Flammable - Limited Quantity
Hazard Class	2.1
Packing Group	N/A

IATA Regulated

UN/ID no.	UN 1950
Proper shipping name	Aerosols, Flammable - Limited Quantity
Hazard Class	2.1
Packing Group	II

IMDG Regulated

UN/ID no.	UN 1950
Proper shipping name	Aerosols, Flammable - Limited Quantity
Hazard Class	2.1
EmS-No.	Chemtrec 1-800-424-9300

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No

Reactive Hazard No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	**Health hazards**	0	**Flammability**	0	**Instability** 0	**Physical and Chemical Properties**	-
HMIS	**Health hazards**	0	**Flammability**	0	**Physical hazards** 0	**Personal protection**	X

Revision Date 21-Aug-2015
Revision Note
No information available
Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

MOROCCANOIL	**Safety Data Sheet**	Version 1.5 Revision Date **15/01/2017**

Moroccanoil-Glimmer Shine For All Hair Types

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil-Glimmer Shine For All Hair Types**

Catalog code MOS100ML

Use of the product Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Vapors may form explosive mixtures with air.

Not regarded as hazardous for humans according to the current EC legislation.

4. FIRST AID MEASURES

Eye contact	:	No recommendation given, but first aid may still be required in case of accidental exposure of this product. If in doubt, GET MEDICAL ATTENTION PROMPTLY!
Inhalation	:	Remove to fresh air.
Ingestion	:	Seek medical advice and show the label when possible.
Skin Contact	:	Rinse skin with water and mild soap. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: On large fires use medium expansion (>30:1) AFFF alcohol compatible foam. On small fires use medium expansion (>30:1) AFFF alcohol compatible foam, CO2 or water spray.
Water can be used to cool fire exposed containers.

Unsuitable extinguishing media:		None known.
Hazards during firefighting	:	Fire burns more vigorously than would be expected. Vapors are heavier than air and can travel along ground to remote ignition sources. Vapors may form explosive mixtures with air.
Special protective equipment / procedures	:	A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.
Hazardous combustion products	:	Silica. Carbon oxides and traces of incompletely burned carbon compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment.
Environmental precautions	:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

Methods for cleaning up	:	Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by embanking, etc... procedures. Avoid sparks, flames, heat and smoking. Ventilate. Mop, wipe or soak up with absorbent material and place in a container with a lid.
Further information	:	The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	General ventilation is required. Local ventilation is recommended. Avoid eye contact. Do not breathe vapor. Do not breathe spray or mist. Avoid all unnecessary exposure. Keep away from food, drink and animal dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
Storage	:	Keep only in the original glass bottles in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.
Precautions	:	Keep away from heat, sparks and open flame. Vapors may form explosive mixtures with air.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	In case of inadequate ventilation use suitable respirator.

Hand protection	:	No specific hand protection noted, but gloves may still be advisable.
Eye protection	:	Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear liquid
Color	:	Yellowish – brown
Odor	:	Characteristic
pH value	:	Not applicable
Viscosity at 25°C	:	Not applicable
Solubility in water	:	Insoluble
Density at 25°C	:	0.9/1.00 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.

Materials to avoid	:	Strong oxidizing substances.
Hazardous decomposition Products	:	Fire may form toxic and corrosive vapors.

11. TOXICOLOGICAL INFORMATION

Inhalation	:	No adverse effects are normally expected.
Ingestion	:	Specific ingestion toxicity data regarding the finished product is not available.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation.

12. ECOLOGICAL INFORMATION

The finished product is expected to be safe for the environment under normal use conditions.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Risk phrases	:	NC	not classified.
Safety phrases	:	S23	Do not breath spray.
		S25	Avoid contact with eyes.
		S51	Use only in well-ventilated areas.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 3.5 Revision Date 15/01/2017

Hydrating Styling Cream For All Hair Types

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Hydrating Styling Cream For All Hair Types**

Catalog codes : HYDSTC90ML, HYDSTC300ML, HYDSTC500ML

Use of the product : Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Ingestion unlikely.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air.

Eye contact : Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Ingestion : Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible.
Never give anything by mouth to an unconscious person.

Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray or fog, carbon dioxide, foams or dry chemicals.
Unsuitable extinguishing media	:	Direct water stream may produce foam.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) hydrocarbons and/or derivatives.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment.
Environmental precautions	:	Prevent entry of large quantities into sewers and into public waters. Notify authorities if a large quantity of the product enters sewers or public waters.
Clean up methods	:	Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.

Further information : The spilled product produces a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing. Storage at temperature under 40°C is recommended.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures	:	Exercise good hygiene practices. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Cream
Color	:	Light- orange
Odor	:	Characteristic
pH value	:	4.00-6.00
Solubility in water	:	Partially miscible
Density at 25°C	:	0.90-1.00 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition products	:	None known when properly handled.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local/national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
		R22	Harmful if swallowed
Safety phrases	:	S25	avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION

Further information	:	None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MATERIAL SAFETY DATA SHEET

FILE NO.:

NAME OF PRODUCT

MSDS DATE: / /

Issuing Date: 12/5/11

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Luminous Hairspray , Medium

MANUFACTURER: Chicago Aerosol
ADDRESS: 1300 North St Coal City,IL 60416

EMERGENCY PHONE: 1-866-634-5100
CHEMTREC PHONE: 1-800-424-9300
OTHER CALLS:
FAX PHONE:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Ethyl Alcohol	64-17-5	< 55.0
2-Amino-2-Methyl-1propanol	124-68-5	< 1.0
Ethane, 1,1-Difluoro	75-37-6	< 40.0

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable Aerosol

ROUTES OF ENTRY:May be harmful if swallowed or inhaled

POTENTIAL HEALTH EFFECTS

EYES: Irritating to eyes

SKIN: May cause irritation

INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,vomiting and diarrhea. May cause central nervous syatem depression.

INHALATION: May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of the respiratory system. May cause drowsiness and dizziness.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: May cause adverse liver effects. May cause adverse effects to the bone marrow and bloodforming system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Central nervous system. Pre-existing eye disorders. Blood disorders. Liver disorders.Respiratory disorders

CARCINOGENICITY

OSHA: **ACGIH:** **NTP:** **IARC:**
OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

SKIN: In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash skin with soap and water. In the case of skin irritation or allergic reactions, consult a physician

INGESTION: Call a physician or Poison Contro Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person.

INHALATION: Move victim to fresh air. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing. If symptoms persist, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Keep victim warm and quiet

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE Properties: Containers may explode when heated

FLASH POINT:
F: 65 degrees F
C: 18.3 degrees C
METHOD USED: Open Cup (For pure ethanol)

NFPA HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
OTHER: Physical and Chemical Hazzard

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
PROTECTION: Personal Protection

EXTINGUISHING MEDIA: CO2 or dry chemical for small fires. Foam for large fires

SPECIAL FIRE FIGHTING PROCEDURES: Addition of water fog will aid in reducing burning rate. Use NIOSH self-contained breathing appartatus in confined areas

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flamable vapors may travel along the floor to be ignited by distant ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of liquid may form oxides of carbon and nitrogen

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources. Ventilate area. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non flammable absorbant material for disposal.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Contents under pressure Keep away from heat and sources of ignition. Keep out of reach of children.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : For salon or home use, always provide adequate ventilation.

RESPIRATORY PROTECTION: none necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

EYE PROTECTION: None necessary when product is used as directed.

SKIN PROTECTION: None necessary when product is used as directed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Normal safe working practices

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear liquid

ODOR: fragrance

PHYSICAL STATE:

pH AS SUPPLIED:
pH (Other):
BOILING POINT: of concentrate
F: 175
C:
MELTING POINT: NA
F:
C:
Flash Point : 65 degrees F
F:
C:
VAPOR PRESSURE (mmHg): 50-60 psig
@
F: 70 degrees
C:
VAPOR DENSITY (AIR = 1): N/E
@
F:
C:
SPECIFIC GRAVITY (H2O = 1):
@
F: 0.817
C:
EVAPORATION RATE: > 1

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: soluble

PERCENT SOLIDS BY WEIGHT: No information available

F:
C:
VOLATILE ORGANIC COMPOUNDS (VOC):

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE **UNSTABLE**

STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID (STABILITY): Heat, Flames, sparks

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Oxides, Nitrogen Oxides

HAZARDOUS POLYMERIZATION: None under normal processing

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: May be harmful if swallowed. May be harmful if inhaled

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/E

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

RCRA HAZARD CLASS: 2.1

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: ORM-D
ID NUMBER: UN 1950
PACKING GROUP: II
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Aerosols
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: UN 1950, Aerosols

AIR TRANSPORTATION
PROPER SHIPPING NAME: Aerosols, flamable
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP: II
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): Exempt

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: acute health hazard, cronic health hazard, fire hazard, sudden release of pressure hazzard

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The information contained herein is based on the data available to us ands is believed to be correct to the best of our ability. However Chicago Aerosol makes no warranty, expressed or implied, regarding the accuracy of this data nor assumes any responsibility for injury from intentional or nonintentional misuse of this product.

SAFETY DATA SHEET

Issuing Date 7/24/16 **Revision Date** 14/09/2015 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

GHS Product Identifier

Product Name: **Luminous Hair Spray Strong**

Other means of Identification

Synonyms: none

Recommended use of the chemical and restrictions on use

Recommended Use: No information available

Uses advised against: No information available

Supplier's Details

Supplier Address
Chicago Aerosol
1300 North St.
Coal City, IL 60416
Tel: 815-634-5100

Emergency telephone number

Emergency Telephone Number 1-866-634-5100
Chemtrec 1-800-424-9300

2. HAZARD IDENTIFICATION

Classification

Serious Eye Damage/Eye Irritation	Category 2A
Carcinogenicity	Category 2
Specific Target Organ Systemic toxicity (Single Exposure)	Category 3
Simple Asphyxiant	Yes
Flammable Aerosols	Category 1
Gases Under Pressure	

GHS label elements, including precautionary statements

EMERGENCY OVERVIEW

Signal Word **Danger**

Hazard Statements

- Causes serious eye irritation
- Suspected of causing cancer
- May cause respiratory irritation
- May cause drowsiness or dizziness
- Extremely flammable aerosol





Appearance Clear **Physical State** Aerosol **Odor** Odor Fragranced

Precautionary Statements

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Wash face, hands and any exposed skin thoroughly after handling.
- Wear eye/face protection.
- Avoid breating dust/fune/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Do not spray on an open flam or other ignition source.
- Pressurized container: Do no pierce or burn, even after use.

General Advice

- If exposed or concerned: Get medical attention/advice

Eyes

- IF IN EYES: Rinse cautionsly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazzard Not Otherwise Classifed (HNOC)

Rapid evaporation of the liquid may cause frostbite.

Other information

May be harmful if inhaled. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Ethyl Alcohol	64-17-5	< 55	*
1,1-Difluoroethane	75-37-6	< 45	*
2-Amino-2-Methyl-1-propanol	124-68-5	< 1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation persists.

Skin Contact Wash off with warm water and soap. In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Get medical attention if symptoms occur.

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Eye irritation/reactions. Frostbite. Drowsiness. Dizziness. Simple asphyxiant.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO 2). Dry chemical. Alcohol-resistant foam. Water fog.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

No information available.

Hazardous Combustion Products Thermal decomposition can lead to release of irritating and toxic gases and vapors: Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact Yes

Sensitivity to Static Discharge Yes

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Contents under pressure. Remove all sources of ignition. Do not puncture or incinerate cans. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Contents under pressure. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol Ethyl Alcohol 64-17-5	TWA: 1000 ppm	TWA: 1000 ppm	TWA: 1000 ppm

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No protective equipment is needed under normal use conditions. Risk of contact, wear: Safety glasses with side-shields.

Skin and Body Protection No protective equipment is needed under normal use conditions. Lightweight protective clothing. Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Appearance	Clear
Odor	Fragranced	Odor Threshold	No information available

Property	Values	Remarks/ - Method
pH	No data available	Enter here
Melting Point/Range	No data available	Enter here
Boiling Point/Boiling Range	79.4 ºC / 175 ºF	for concentrate

Flash Point	18.3C/ 65F	Open cup (for pure ethanol)
Evaporation rate	> 1	Enter here
Flammability (solid, gas)	No data available	Enter here
Flammability Limits in Air	No data available	Enter here
upper flammability limit	No data available	Enter here
lower flammability limit	No data available	Enter here
Vapor Pressure	55-65 psig@ 70F	Enter here
Vapor Density	No data available	Enter here
Specific Gravity	0.84	water = 1
Water Solubility	No data available	Enter here
Solubility in other solvents	No data available	Enter here
Partition coefficient: n-octanol/water	No data available	Enter here
Autoignition Temperature	No data available	Enter here
Decomposition Temperature	No data available	Enter here
Viscosity	No data available	Enter here
Flammable Properties	Not Flammable	Enter here
Explosive Properties	No data available	Enter here
Oxidizing Properties	No data available	Enter here

Other information

VOC Content (%) 55%

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Hazardous Polymerization
Hazardous polymerization does not occur.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Strong oxidizing agents

Hazardous decomposition products
Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness. Intentional misuse by deliberately concentrating and inhaling contents may be harmful
Eye Contact	Contact with eyes may cause serious eye irritation based on the components present within the product.
Skin Contact	Contact with product may cause frostbite.
Ingestion	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,

vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl Alcohol	7060 mg/kg (Rat)	-	124.7 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes. Avoid skin contact with leaking liquid (danger of frostbite).

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage. Vinyl acetate is identified by IARC and ACGIH as a potential carcinogen based on data in animal studies. Lifetime exposure to high vapor concentrations (600 ppm) of Vinyl acetate caused malignant and benign tumors of the respiratory tract of rats, but not in mice: this response possibly being associated with the irritant effect. Vinyl acetate has been tested for carcinogenic potential in rats in two separate drinking water studies. In one study, in which animals were exposed to concentrations up to 0.5% in water, there was no evidence of carcinogenicity. In the second study, conducted at higher concentrations (up to 1% in water), evidence of cancer in the stomach and oral cavities was observed. There is no

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol	A3	Group 1	Known	X

Reproductive Toxicity No information available.
STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral 8538 mg/kg; Acute toxicity estimate
LD50 Dermal 23700 mg/kg; Acute toxicity estimate
Inhalation mg/L; Acute toxicity estimate
Vapor 134.2 mg/L; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Ethyl Alcohol		LC50 96 h: 12.0-16.0mL/L	EC50=34634 mg?L 30 min	LC50 48h: 9268-14221 mg/L

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Ethyl alcohol	-0.32

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Consumer commodity
Hazard Class	ORM-D
Description	Consumer commodity, ORM-D
Emergency Response Guide Number	126

TDG

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1

MEX

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Description	UN1950, Aerosols, 2.1

ICAO

UN-Number	ID8000
Proper Shipping Name	Consumer commodity
Hazard Class	9
Description	ID8000, Consumer commodity, 9

IATA

UN-Number	ID8000
Proper Shipping Name	Consumer commodity
Hazard Class	9
ERG Code	9L
Description	ID8000, Consumer commodity, 9

IMDG/IMO

UN-Number	UN1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
EmS No.	F-D, S-U
Description	UN1950, Aerosols, 2.1 (18.3°C o.c.)

15. REGULATORY INFORMATION

International Inventories

TSCA	All components of this product are either listed or are exempt on the TSCA inventory.
DSL	Substances comply or are exempt

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ

U.S. State Regulations

California Proposition 65

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	CAS-No	California Prop. 65
Ethyl alcohol	64-17-5	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Ethyl alcohol	X	X	X	-	
1,1-Difluoroethane	X	X			

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard 2**	**Flammability 4**	**Instability 0**	**Physical and Chemical Hazards**
HMIS	**Health Hazard 2***	**Flammability 4**	**Physical Hazard 0**	**Personal Protection X**

**Indicates a chronic health hazard.*

Prepared By
Chicago Aerosol
1300 North St
Coal City, IL 60416
1-800-572-6501

Issuing Date 15-יונ-09

Revision Date 15-יונ-09

Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheeet

MATERIAL SAFETY DATA SHEET

FILE NO.:

NAME OF PRODUCT

MSDS DATE: / /

Issuing Date: 12/5/13

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Luminous Hairspray Extra Strong

MANUFACTURER: Chicago Aerosol
ADDRESS: 1300 North St Coal City,IL 60416

EMERGENCY PHONE: 1-866-634-5100
CHEMTREC PHONE: 1-800-424-9300
OTHER CALLS:
FAX PHONE:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Ethyl Alcohol	64-17-5	< 55.0
2-Amino-2-Methyl-1propanol	124-68-5	< 1.5
Ethane, 1,1-Difluoro	75-37-6	< 45.0

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable Aerosol

ROUTES OF ENTRY:May be harmful if swallowed or inhaled

POTENTIAL HEALTH EFFECTS

EYES: Irritating to eyes

SKIN: May cause irritation

INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,vomiting and diarrhea. May cause central nervous syatem depression.

INHALATION: May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of the respiratory system. May cause drowsiness and dizziness.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: May cause adverse liver effects. May cause adverse effects to the bone marrow and bloodforming system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Central nervous system. Pre-existing eye disorders. Blood disorders. Liver disorders.Respiratory disorders

CARCINOGENICITY

OSHA: **ACGIH:** **NTP:** **IARC:**

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

SKIN: In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash skin with soap and water. In the case of skin irritation or allergic reactions, consult a physician

INGESTION: Call a physician or Poison Contro Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person.

INHALATION: Move victim to fresh air. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing. If symptoms persist, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Keep victim warm and quiet

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE Properties: Containers may explode when heated

FLASH POINT:
F: 65 degrees F
C: 18.3 degrees C
METHOD USED: Open Cup (For pure ethanol)

NFPA HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
OTHER: Physical and Chemical Hazzard

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION: Personal Protection

EXTINGUISHING MEDIA: CO2 or dry chemical for small fires. Foam for large fires

SPECIAL FIRE FIGHTING PROCEDURES: Addition of water fog will aid in reducing burning rate. Use NIOSH self-contained breathing appartatus in confined areas

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flamable vapors may travel along the floor to be ignited by distant ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of liquid may form oxides of carbon and nitrogen

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources. Ventilate area. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non flammable absorbant material for disposal.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Contents under pressure Keep away from heat and sources of ignition. Keep out of reach of children.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : For salon or home use, always provide adequate ventilation.

RESPIRATORY PROTECTION: none necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

EYE PROTECTION: None necessary when product is used as directed.

SKIN PROTECTION: None necessary when product is used as directed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Normal safe working practices

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear liquid

ODOR: fragrance

PHYSICAL STATE:

pH AS SUPPLIED:
pH (Other):
BOILING POINT: of concentrate
F: 175
C:
MELTING POINT: NA
F:
C:
Flash Point : 65 degrees F
F:
C:
VAPOR PRESSURE (mmHg): 50-60 psig
@
F: 70 degrees
C:
VAPOR DENSITY (AIR = 1): N/E
@
F:
C:
SPECIFIC GRAVITY (H2O = 1):
@
F: 0.817
C:
EVAPORATION RATE: > 1

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: soluble

PERCENT SOLIDS BY WEIGHT: No information available

F:
C:
VOLATILE ORGANIC COMPOUNDS (VOC):

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE **UNSTABLE**

STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID (STABILITY): Heat, Flames, sparks

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Oxides, Nitrogen Oxides

HAZARDOUS POLYMERIZATION: None under normal processing

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: May be harmful if swallowed. May be harmful if inhaled

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/E

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

RCRA HAZARD CLASS: 2.1

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: ORM-D
ID NUMBER: UN 1950
PACKING GROUP:
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: UN 1950, Aerosols, flammable, 2.1, Limited Quantity
HAZARD CLASS: 2.1
ID NUMBER: UN 1950
PACKING GROUP:
LABEL STATEMENTS: UN 1950, Aerosols

AIR TRANSPORTATION
PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: 9
ID NUMBER: ID 8000
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): Exempt

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: acute health hazard, cronic health hazard, fire hazard, sudden release of pressure hazzard

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The information contained herein is based on the data available to us ands is believed to be correct to the best of our ability. However Chicago Aerosol makes no warranty, expressed or implied, regarding the accuracy of this data nor assumes any responsibility for injury from intentional or nonintentional misuse of this product.

MOROCCANOIL	**Safety Data Sheet**	Version 72.1 Revision Date 29/01/2017

MOROCCANOIL- MENDING INFUSION

Section 1: INDENTIFICATION

Product name	:	**MOROCCANOIL- MENDING INFUSION**
Catalog code	:	NA
Use of the product	:	Hair cosmetic finished product
Company		
Office	:	Moroccanoil Israel Ltd. 16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 7565835 Israel
Telephone	:	+972-3-9511086/7
Fax		+972-3-9416232
Plant	:	Koren Industrial Zone P.O.B 17 Maalot Tarshiha, 2101001 Israel
Telephone	:	+972-4-9576113/4
Fax	:	+972-4-9576115
Emergency telephone	:	In case of medical emergencies, please contact your local poisons control center. Europe: +41 44 251 51 51 USA : 1 800 222 1222 Israel : +972 4 854 1900

MOROCCANOIL- MENDING INFUSION

Section 2: HAZARD(S) IDENTIFICATION

2.1 Classification of substance or mixture

Not Classified

2.2 Globally Harmonized System (GHS) label elements, including precautionary statement

Hazard Classification:	Category	Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
None	None	None	None	For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.	None

2.3 Other Information

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Substance

Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

Ingestion:	If swallowed, do not induce vomiting. Seek medical attention if indicated.
Skin:	May cause slight irritation. Seek medical attention if indicated
Inhalation:	Not Applicable
Eyes:	In case of contact, flush eyes with plenty of water. Seek medical attention if indicated.

4.2 Indication of immediate medical attention and special treatment needed if necessary (of mixture).

None known

Section 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media	Water, Water Spray, Carbon Dioxide (CO2), Dry Powder, Foam.
Unsuitable Extinguishing Media	Not Available
5.2 Specific Hazards arising from the chemical:	None known
Sensitivity to mechanical impact	Not Available
Sensitivity to static discharge	Not Available
5.3 Protective Equipment and Precautions for Firefighters	Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Action taken if material is spilled or released:	Obtain proper PPE equipment. Large spills should be contained and pumped into adequate containers for disposal. Smalls spills should be wiped up with inert material and placed in appropriate disposal container.

6.2 Environmental Precautions:	Avoid allowing product to reach sewage system or any waterways. Inform appropriate authorities in case of seepage into waterways or sewage system.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace.

7.2 Conditions for safe storage, including any incompatibles.
Store at room temperature. Keep container tightly closed. Keep away from incompatibles such as oxidizing agents, acids, alkalis, and moisture.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Engineering Controls:	None required under normal conditions.
8.2 Personal Protection Equipment:	
Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure in industrial environment.
Other Protective Equipment:	None required
8.3 Ventilation:	None required under normal conditions

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Emulsion
Odor:	Conforms to Standard
Color:	Conforms to Standard
pH:	4.00 – 5.00
Specific Gravity 25°C:	0.98 – 1.04 g/mL
Viscosity:	20,000 – 50,000
Solubility (ies):	Semi-Soluble
Melting/Freezing Point:	N/D
Boiling Point:	N/D
Flammability:	N/D
Flash Point:	N/D
Upper/lower flammability or explosive limits:	N/D
Evaporation Rate:	N/D
Relative Density	N/D
Auto ignition temperature:	N/D
Decomposition temperature:	N/D
Vapor Pressure	N/D
Vapor Density	N/D
Partition coefficient; n-octanol/water	N/D

*N/D: Not Determined

Section 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	Not reactive
10.2 Chemical stability:	Stable under normal temperature and pressure.
10.3 Possibility of hazardous reactions:	None known
10.4 Conditions to avoid:	None known
10.5 Incompatible Materials	Oxidizing agents, acids and alkalis

Section 11: TOXICOLOGICAL INFORMATION

For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers and the manufacturer is not aware of any significant potential for adverse reactions.

Section 12: ECOLOGICAL INFORMATION	
12.1 Info **Summary of Ecological information**: Balance of data on mixture as a whole, not determined.	
12.2 Eco **toxicological properties of specific substances**: See each category below for specific substances.	
12.3 Toxicity Eco toxicity (aquatic and terrestrial, where available): Acute Fish Toxicity: LC50 / 96 HOUR – Not determined Toxicity to aquatic plants not determined. Toxicity to microorganisms not determined. Toxicity Threshold/ Not Determined.	
12.4 Persistence and degradability:	Biodegradation is expected
12.5 Bio accumulative potential:	Bioaccumulation is unlikely
12.6 Mobility in soil:	Unknown
12.7 Other adverse affects:	Unknown

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Method: All waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

Section 14: TRANSPORT INFORMATION	
14.1 Department of Transportation Information	
Shipping Name:	No Specific Requirement.
Hazard Class:	Non-Regulated
Label (s):	NONE
UN/NA Number:	NONE

Placards:	NONE
14.2 International Transportation Classifications	
IATA, International Air Transportation	Non-Regulated
IMDG, International Maritime Dangerous Goods	Non-Regulated

Section 15: REGULATORY INFORMATION

15.1 Labeling – (Hazards Symbols)

National Fire Protection Association: Health = 0; Flammability = 0; Reactivity = 0; Special Hazard = none

Hazardous Materials information: Health = 0; Flammability = 0; Reactivity = 0; Personal Protection = D

Hazard Rating: None= 0; Minimal = 1; Moderate = 2; Severe = 3; Extreme= 4

Section 16: OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 27.4 Revision Date **15/01/2017**
Molding Cream		

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Moroccanoil- Molding Cream**

Catalog code : MO-MC

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.

Skin contact : May cause skin irritation to sensitive persons.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal Irritation, nausea, diarrhea, may be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention.

Ingestion : Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin thoroughly with soap and water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media : Do NOT use water jet or direct foam stream.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal decomposition may produce Carbon Oxides (COx) Nitrogen Oxides (NOx) and irritant gases/vapors.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into waterways.
Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Cream

Color : White

Odor : Characteristic

pH value at 25°C : 4.5-6.0

Viscosity at 25°C : Not Applicable

Density at 25°C (gr/ml) : 0.9-1.0

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : Oxidizing agents, strong acids and bases.

Hazardous decomposition Product : Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) and irritant gases/vapors.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
		R22	Harmful if swallowed
Safety phrases	:	S25	avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

2-2-0 LABORATORIES

******SAFETY DATA SHEET******

1. PRODUCT INFORMATION	
1.1	**Product Name:** PERFECT DEFENSE
1.2	**Product Identification:** 217-11C (MCO-99-70206PILOT)
1.3	**Recommended Use / Product Use:** Hair Care
1.4	**Manufacturer's Name:** 2-2-0 LABORATORIES Inc.
1.5	**Manufacturer's Address:** 2375 Third St, Riverside, CA 92507
1.6	**Business Phone:** TEL: (951) 683-2912 FAX: (951) 683-0952
1.7	**Emergency Phone:** Chemtrec (24 hours) 1-800-424-9300 (Toll-Free in the USA) For international calls: 011-703-527-3887 (Collect calls are accepted) Contract # CCN5*

2. HAZARDOUS INGREDIENT INFORMATION

SECTION 2.1

Classification: Flammable aerosol, category 2 **Signal Word: Warning** **Hazard Code: H223** **Hazard Statement: Flammable Aerosol. Pressurized Container: May burst if heated**  **Symbol: Flame**	**Precautionary Code: Precautionary Statements** **P210: Keep Away From Heat/sparks/open flames/hot surfaces. No smoking.** **P211: Do not spray on an open flame or other ignition source.** **P251: Do not pierce or burn, even after use.** **P410: Protect from sunlight.** **P412: Do not expose to temperatures exceeding 50°C/122°F.**

CRITERIA: Spray aerosols with an ignition distance ≥ 15 cm, but less than 75 cm, in the Spray ignition test

2.2	HEALTH	ENVIRONMENTAL	PHYSICAL
	There is no data on the product itself = ND	There is no data on the product itself = ND	Pressurized Container: May Burst if Heated: H229 

3. COMPOSITION/INFORMATION ON INGREDIENTS: *Mixture* / *CBI*

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

CHEMICAL IDENTITY	CAS #	EINECS#	% (In Total Formula)	FLASHPOINT	OTHER

Alcohol Denat.	64-17-5	200-578-6	20 - 32	55°F	Denatured
Dimethyl Ether	115-10-6	204-065-8	42 - 58	- 42°F	DuPont®

3.1 Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.

None present					

3.2

- Mixture: The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cut-off levels.
- Cut-off level for reproductive toxicity, carcinogenicity and category 1 mutagenicity is ³ 0.1%

Cut-off level for all other hazard classes is ³ 1%

NOTE: *For information on ingredients, the competent authority rules for CBI take priority over the rules for product identification.*

None present					

4. FIRST AID MEASURES

4.1 **First Aid:**

INGESTION:	Drink enough water to dilute. Consult physician immediately
EYES:	Flush eyes with plenty of water to ensure complete flushing. e.g., Eye wash station for 15 minutes. If irritation persists, seek medical attention
SKIN:	Wash thoroughly with mild soap and water. If irritation persists, seek medical attention
INHALATION:	Remove victim to fresh air at once. If breathing is difficult, seek medical attention

4.2 **Medical Conditions Aggravated by Exposure:** Pre-existing respiratory and skin disorder.

5. FIREFIGHTING MEASURES

5.1	**Extinguishing Methods: (suitable and unsuitable)**	CO_2, Foam, Dry Chemical, and Water Spray
5.2	**Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products).**	Closed containers exposed to excessive heat may rupture. Do not crush or puncture containers.
5.3	**Special protective equipment and precautions for firefighters.**	Fire should be fought from a safe distance. Firefighters should wear full face, self-contained breathing apparatus, and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures:**	Depending on extent of release, consider the need for fire fighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink, or smoke while cleaning up.
6.2	**Ventilation**	Use with adequate ventilation
6.3	**Respiratory**	None required, when used with adequate ventilation
6.4	**Environmental Precautions:**	Do not dispose of product into storm drains or waterways.
6.5	**Methods and materials for containment and cleaning up**.	Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures in section 7 and 8. Product is packed in aerosol containers. Dispose of any leaking aerosols per site instructions after placing in safe fireproof containers with leaking material absorbed by earth or other non-flammable absorbent.

7. HANDLING & STORAGE INFORMATION	
7.1	**Precautions for Safe Handling:** Wash hands thoroughly after using this product and before eating, drinking, or smoking
7.2	**Conditions for safe storage, including any incompatibilities.** Keep away from excessive heat, open flames, sparks, and other possible source of ignition. Do not store in damaged or unmarked containers or storage devices. For warehouse storage, pallets and cases should be placed to avoid damage or rupture from material handling equipment. With use, spray aerosol carefully and cap after each use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
8.1	**Control parameters, e.g., occupational exposure limit values or biological limit values.**
8.2	**Appropriate engineering controls.**
8.3	**Personal Protective Equipment:** None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon), wear protective eyeglasses, gloves, boot, and apron per OSHA regulations (29 CFR 1910.133)

CHEMICAL IDENTITY	CAS #	EINECS#	EXPOSURE LIMITS IN AIR		OTHER
			TLV ppm	PEL ppm	
Alcohol Denat.	64-17-5	201-142-8	1000	1000	Unknown
Dimethyl Ether	115-10-6	204-065-8	800	Not established	AEL: 1000ppm 8 & 12 hour TWA

9. PHYSICAL & CHEMICAL PROPERTIES - TENTATIVE

ND = NO DATA / N/A = NOT APPLICABLE

		CONCENTRATE:	AEROSOLIZED PRODUCT:
9.1a	**Appearance:**	Opaque liquid	Colorless spray
9.1b	**Color:**	Beige	Clear
9.1c	**Specific Gravity:**	< 1.0	N/A
9.1d	**Viscosity:**	N/A	N/A
9.2	**Odor**	TO MATCH STANDARD	TO MATCH STANDARD
9.3	**Odor Threshold**	TO MATCH STANDARD	TO MATCH STANDARD
9.4	**pH:**	≥ 4.0 - ≤10.0	N/A
9.5	**Melting point/freezing point**	ND	N/A
9.6	**Initial Boiling Point and Boiling Range:**	ND	N/A
9.7	**Flashpoint:**	ND	N/A
9.8	**Evaporation Rate**	ND	N/A
9.9	**Flammability: solid/gas**	LIQUID	N/A
9.10	**Upper/lower flammability or explosive limits**	ND	N/A
9.11	**Vapor pressure**	ND	N/A
9.12	**Vapor density**	ND	N/A
9.13	**Relative density**	See Specific Gravity	N/A
9.14	**Solubiity(ies)**	ALCOHOL	N/A
9.15	**Partition coefficient: n-octanol/water**	ND	N/A
9.16	**Autoignition temperature**	ND	N/A
9.17	**Decomposition temperature**	ND	N/A
9.18	**Volatile Organic Compounds (VOC) %**	N/A	VOC = ≥75.0%

10. STABILITY & REACTIVITY		
10.1	**Chemical Stability:**	Stable under normal conditions of use
10.2	**Possibility of hazardous reactions:**	Hazardous polymerization will not occur.

10.3	**Conditions to Avoid:**	Use or storage near open flames, sparks, high heat (>100°F) or other heat sources
10.5	**Incompatible Substances:**	Strong oxidizing agents
10.2	**Hazardous Decomposition Products:**	Irritating vapors and toxic gases when involved in fire

11. TOXICOLOGICAL INFORMATION

11.1 TYPES OF EXPOSURE:

	ROUTES OF EXPOSURE:	**Skin**	X	**Inhalation**	X	**Eyes**	X	**Ingestion**	X

	HEALTH EFFECTS OF EXPOSURE:	**IMMEDIATE**	**CHRONIC**
	INGESTION:	May cause gastrointestinal irritation	Seek medical attention if symptoms persist.
	EYES:	Liquid and vapor may cause mild to severe eye irritation.	Seek medical attention if symptoms persist.
	SKIN:	Repeated contact may cause irritation and drying of the skin. **Contact with propellant may cause freeze burns.**	Seek medical attention if symptoms persist.
	INHALATION:	Vapor may cause irritation to the upper respiratory tract	Seek medical attention if symptoms persist.

12. ECOLOGICAL INFORMATION

12.1	There is no date on the product itself.
12.2	Eco-toxicity (aquatic and terrestrial, where available). Persistence and degradability. Bio-accumulative potential. Mobility in soil. Other adverse effects: There is no data available on the product itself.
12.3	The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.

13. DISPOSAL CONSIDERATIONS

13.1	Dispose of in accordance with federal, state or local regulations.

14. TRANSPORTATION INFORMATION

14.1 SHIPPING NAME

	49CFR (GND) CONSUMER COMMODITY, ORM-D (≤ 1.0L)
	or
Regulated	49 CFR (GND) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
	or
Regulated	49 CFR (GND) UN1950, AEROSOLS, FLAMMABLE, 2.1
	or
Regulated	IATA (AIR) ID 8000, CONSUMER COMMODITY, 9
	or
Regulated	IATA (AIR) UN 1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
	or
Regulated	IATA (AIR) UN 1950, AEROSOLS, FLAMMABLE, 2.1
	or
Regulated	IMDG (OCN) UN1950, AEROSOLS, FLAMMABLE, 2.1, "LTD. QTY."
	EMS # F-D, S-U
Regulated	or
	IMDG (OCN) UN1950, AEROSOLS, FLAMMABLE, 2.1

CHOOSE FROM THE FOLLOWING SYMBOLS:



14.2 HAZCHEM CODE: Regulated Aerosol Level: (1)

14.3	MARINE POLLUTANT: N	49 CFR APPENDIX B SECTION 172.101
15. REGULATORY INFORMATION		
15.1	Contents of this SDS comply with the OSHA Hazard Communication Standard CFR 1910.1200: *The Globally Harmonized System of Classification and Labelling of Chemicals* (GHS)	
15.2	**EPA SARA Title III Chemical Listings** Section 302 Extremely Hazardous Substances: None Section 304 CERCLA Hazardous Substances: None Section 313 Toxic Chemicals: None present or none present in regulated quantities.	
15.3	California Proposition 65: No reportable components	
	UN GHS: Globally Harmonized System of Classification and Labelling of Chemicals (GHS) ("The Purple Book"), United Nations, 2005 First Revised Edition, available online or from United Nations Publications. UN GHS website	
	USA: Federal Hazardous Materials Transportation Law (49 U.S.C. 5101 *et seq.*).	
	USA: OSHA Hazard Communication Standard 29 CFR 1910.1200.	
16. OTHER INFORMATION: including information on preparation and revision of the SDS		
16.1	Version: 1 Revision: 1 (UPDATED PRODUCT NAME) Date: 2017-01-16; 2017-02-22 Author/Initials: Victoria C. Voss / V.C.V.	
16.2	**Disclaimer:** This Safety Data Sheet is offered pursuant to **Globally Harmonized System (GHS)** OSHA's Hazard Communication Standard, 29 CFR § 1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of 2-2-0 Laboratories Inc.'s knowledge, the information contained herein is reliable and accurate as of the date issued; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided.	
16.3	**Definitions:** ***Aerosols*** means any non-refillable receptacles made of metal, glass or plastics and containing a gas compressed, liquefied or dissolved under pressure, with or without a liquid, paste or powder, and fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or in a liquid state or in a gaseous state. Aerosol includes aerosol dispensers. ***Mixture*** means a mixture or a solution composed of two or more substances in which they do not react. ***CBI*** means "confidential business information". **Carcinogenicity**: Carcinogen means a chemical substance or a mixture of chemical substances which induce cancer or increase its incidence. Substances and mixtures in this hazard class are assigned to one of two hazard categories. Category 1 has two subcategories. The Carcinogenicity Guidance Section in the GHS Document includes comments about IARC. ***AEL*** is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence (DuPont™ DYMEL A propellant – Material Safety Data Sheet Version 2.2, 11-02-2011).	

MOROCCANOIL®	Safety Data Sheet MOROCCANOIL-PROTECT & PREVENT SPRAY

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier……	Moroccanoil -Protect & Prevent Spray
Reach Registration number……..	No information available
Product name……..	Moroccanoil -Protect & Prevent Spray
Product code……	No information available
Product type……	N/A
EC-No. ……	N/A
Formular……	N/A

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified uses ……	Personal care
Main use category……...	Personal care

1.3: Company/undertaking identification

Supplier……	MOROCCANOIL®
Company telephone number……	+972 3 9511086
Company fax number……	+972 3 9416232
Company contact person……...	Idan Avishay

Emergency telephone number……..	+972 3 9511086 , 374

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is not classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram……..	none
Signal word……	none
Hazard statement(s)……	none

Precautionary statement(s)..... none

Supplemental Hazard Statements none

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms MIXTUR
Formula N/A
Molecular Weight N/A

Dangerous Component		Classification	concentration
PHENOXYETHANOL			
CAS-No.	122-99-6	H319, H302	0.1-2%
EC-No.	204-589-7		
Annex I number	N/A		
BUTYLENE GLYCOL			
CAS-No.	107-88-0		1-4%
EC-No.	203-529-7		
Annex I number	N/A		
GLYCERIN			
CAS-No.	56-81-5		1-3%
EC-No.	200-289-5		
Annex I number	N/A		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact..... Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact..... If skin problems occur, discontinue use. If skin irritation persists, call a physician

Inhalation..... N/A

Ingestion..... Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-Fighting Measures

5.1 Extinguishing media
Dry chemical, CO 2, water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear

5.4 Further information
N/A

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
No information available

6.4 Reference to other sections
For disposal see section 13.

7. Handling And Storage

7.1. Handling
Handling..... Keep container hermetically closed in a dry, fresh and well airy place far from spakles or

	flames.Observe label precautions
Handling temperatures……..	No information available

7.2. storage

Storage……	No information available

7.3. special use(s) and requirements

Product transfer/packing requirement……..	While loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations. Know the location of eye wash stations and safety showers.
Recommended materials……	No information available
Unsuitable materials……..	No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection……	No special protective equipment required.
Respiratory Protection.....	No information available
Body Protection ……	No special protective equipment required.

9. Physical And Chemical Properties

9.1. general information

Appearance……	Clear colorless solution
Colour……	Clear, colorless
Odour……	Charateristic

9.2. important health, safety and environmental information

Initial boiling point and boiling range…….….	No data available
Flash point……	No data available
Density……	No data available
Specific Gravity……..	0.97 – 1.02 @ 25°C
Solubility in water……..	No data available
PH……	5.30 – 5.80

10. Stability And Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
This material is stable when handled and stored at recommended temperatures.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to Avoid
Heat, flames and sparks, extremes of temperature and direct sunlight.

10.5 Incompatibilities with Other Materials
No data available

10.6 Hazardous Decomposition Products
No data available

10.7 Hazardous Polymerization
Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral.....	No data available
Acute toxicity – derma.....	No data available
Acute toxicity – inhalation.....	No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact……..	No known effect based on information supplied.
Symptoms/injuries after inhalation……	No known effect based on information supplied.
Symptoms/injuries after eye contact……	No known effect based on information supplied.
Carcinogenicity	no data available

11.2. other information

Hazchem code……	N/A
Potential health effects	no data available

12. Ecological Information

12.1. Ecotoxicity……	No data available

12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general.....	It is improbable that the composition with ethyl alcohol for cosmetic purpose will accumulate in the environment and cause problems if used in normal conditions.

13.2. disposal instructions

Waste disposal.....	Dispose of in accordance with local regulations
Product disposal.....	Dispose of in accordance with local regulations
Container/package disposal.....	Dispose of in accordance with local regulations
Disposal precautions.....	Use Personal Protective Equipment as per Para 8.

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.
EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification.....	Not regulated
ADR.....	Not regulated
IMDG Code.....	Not regulated
ICAO.....	Not regulated

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.

16. Other Information

Text of H-code(s) mentioned in Section 3
None

Reach references.....	Not registered
Revision date.....	19.11.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

Chemic Engineering & Safety Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Chemic Engineering & Safety Ltd. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Chemic Engineering & Safety Ltd will not be responsible for damages resulting from use of or reliance upon this information.

****

Prepared by: Chemic Engineering & Safety Ltd.
Phone Number: (972)-3-9303814 (Israel)

MATERIAL SAFETY DATA SHEET

FILE NO.:

NAME OF PRODUCT

MSDS DATE: / /

Date: 04/02/15

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Moroccanoil Root Boost

MANUFACTURER: Chicago Aerosol
ADDRESS: 1300 North St Coal City,IL 60416

EMERGENCY PHONE: 1-866-634-5100
CHEMTREC PHONE: 1-800-424-9300
OTHER CALLS:
FAX PHONE:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Dimethyl Ether	115-10-6	< 10.0
Ethane, 1,1-Difluoro	75-37-6	< 20.0

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable Aerosol

ROUTES OF ENTRY:May be harmful if swallowed or inhaled

POTENTIAL HEALTH EFFECTS

EYES: Irritating to eyes

SKIN: May cause irritation

INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,vomiting and diarrhea. May cause central nervous syatem depression.

INHALATION: May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of the respiratory system. May cause drowsiness and dizziness.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: May cause adverse liver effects. May cause adverse effects to the bone marrow and bloodforming system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Central nervous system. Pre-existing eye disorders. Blood disorders. Liver disorders.Respiratory disorders

CARCINOGENICITY

OSHA: **ACGIH:** **NTP:** **IARC:**

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

SKIN: In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash skin with soap and water. In the case of skin irritation or allergic reactions, consult a physician

INGESTION: Call a physician or Poison Contro Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person.

INHALATION: Move victim to fresh air. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing. If symptoms persist, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Keep victim warm and quiet

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE Properties: Containers may explode when heated

FLASH POINT:
F: ND
C:
METHOD USED: Open Cup

NFPA HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
OTHER: Physical and Chemical Hazzard

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION: Personal Protection

EXTINGUISHING MEDIA: CO2 or dry chemical for small fires. Foam for large fires

SPECIAL FIRE FIGHTING PROCEDURES: Addition of water fog will aid in reducing burning rate. Use NIOSH self-contained breathing appartatus in confined areas

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flamable vapors may travel along the floor to be ignited by distant ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of liquid may form oxides of carbon and nitrogen

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources. Ventilate area. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non flammable absorbant material for disposal.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Contents under pressure Keep away from heat and sources of ignition. Keep out of reach of children.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : For salon or home use, always provide adequate ventilation.

RESPIRATORY PROTECTION: none necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

EYE PROTECTION: None necessary when product is used as directed.

SKIN PROTECTION: None necessary when product is used as directed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Normal safe working practices

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white foam

ODOR: fragrance

PHYSICAL STATE:

pH AS SUPPLIED:
pH (Other): 6.0
BOILING POINT: of concentrate
F: ND
C:
MELTING POINT: NA
F:
C:
Flash Point : 145 degrees F
F:
C:
VAPOR PRESSURE (mmHg): 45-55 psig
@
F: 70 degrees
C:
VAPOR DENSITY (AIR = 1): N/E
@
F:
C:
SPECIFIC GRAVITY (H2O = 1):
@
F: 1.003
C:
EVAPORATION RATE: > 1

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: soluble

PERCENT SOLIDS BY WEIGHT: No information available

F:
C:
VOLATILE ORGANIC COMPOUNDS (VOC): 6%

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE **UNSTABLE**

STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID (STABILITY): Heat, Flames, sparks

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Oxides, Nitrogen Oxides

HAZARDOUS POLYMERIZATION: None under normal processing

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: May be harmful if swallowed. May be harmful if inhaled

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/E

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

RCRA HAZARD CLASS: 2.1

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION
PROPER SHIPPING NAME: Consumer Commodity

HAZARD CLASS: ORM-D
ID NUMBER: UN 1950
PACKING GROUP:
LABEL STATEMENT: LTD QTY

WATER TRANSPORTATION

PROPER SHIPPING NAME: UN 1950, Aerosols, flammable, 2.1, LTD QTY
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: LTD QTY

AIR TRANSPORTATION
PROPER SHIPPING NAME: UN 1950, Aerosols, flammable, 2.1, LTD QTY
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: LTD QTY

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): Exempt

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: acute health hazard, cronic health hazard, fire hazard, sudden release of pressure hazzard

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The information contained herein is based on the data available to us ands is believed to be correct to the best of our ability. However Chicago Aerosol makes no warranty, expressed or implied, regarding the accuracy of this data nor assumes any responsibility for injury from intentional or nonintentional misuse of this product.

MOROCCANOIL	**Safety Data Sheet**	Version 32.2 Revision Date **15/01/2017**

Moroccanoil –Smoothing Lotion

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Smoothing Lotion for unruly and frizzy hair**

Catalog code MO300ML

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Inhalation	:	Not expected to be irritating to the respiratory system.
Skin contact	:	May cause skin irritation.
Eye contact	:	May cause eye irritation. Some redness and/or stinging may occur.
Ingestion	:	Ingestion unlikely. Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful.

4. FIRST AID MEASURES

Inhalation	:	If respiratory irritation occurs, remove individual to fresh air.
Eye contact	:	Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Ingestion	:	Rinse mouth out and drink 1-2 glasses of water. Seek medical advice and show the label when possible. Never give anything by mouth to an unconscious person.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray or fog, carbon dioxide, foams or dry chemicals.
Unsuitable extinguishing media	:	Do NOT use water jet.
Special exposure hazards in a fire	:	Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen chloride gas.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment.
Environmental precautions	:	Prevent entry of large quantities into sewers and into public waters. Notify authorities if a large quantity of the product enters sewers or public waters.
Clean up methods	:	Mop, wipe or soak up with suitable absorbent material and place in a container with a lid.
Further information	:	The spilled product produces a slippery surface

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : In case of inadequate ventilation use suitable respirator.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Eye protection : Wear approved safety goggles.

Hygiene measures : None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Cream

Colour : Creamy to light orange

Odour	:	Characteristic
pH value	:	4.5-5.5
Viscosity at 25°C	:	13000-28000 cPs
Density at 25°C	:	0.95-1.05 gr/ml

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Products	:	Oxides of carbon, nitrogen and sulfur; hydrocarbons and/or derivatives and acrolein.

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation	:	None Toxic
Skin contact	:	None Toxic
Eye contact	:	Accidental exposure of the eye to the product may result in eye irritation. None Toxic
Ingestion	:	Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract. None Toxic

Toxicological tests : None Toxic

Additional information : N\A

12. ECOLOGICAL INFORMATION

Environmental fate and distribution : Low

Environmental effects : None

Fate and effects in waste water Treatment plants : No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

EC labeling : The product does not require a hazard warning label in accordance with EC directives.

Hazard Symbol : not applicable.

R-Phrases : None.

S-Phrases : None.

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 33.2 Revision Date **23/01/2017**

MOROCCANOIL- STYLING GEL MEDIUM

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **MOROCCANOIL- STYLING GEL MEDIUM**

Catalog code MO-ST

Use of the product Hair cosmetic finished product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel
Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel
Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

MOROCCANOIL- STYLING GEL MEDIUM

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.

Skin contact : May cause skin irritation to sensitive persons.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal Irritation, nausea, diarrhea, may be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention.

Ingestion : Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin thoroughly with soap and water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media : Do NOT use water jet or direct foam stream.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal decomposition may produce Carbon Oxides (COx) Nitrogen Oxides (NOx) and irritant gases/vapors.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into waterways.
Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, tightly closed dry area. Keep containers tightly closed when not in use. Store at 20-25c

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection	:	Avoid contact with eyes.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Gel
Color	:	Slightly Hazy to Hazy
Odor	:	Floral
PH value at 25°C	:	6.5-7.0
Viscosity at 25°C	:	20000-35000cps
Gravity	:	0.98-1.00
VOC content	:	<1%

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Product	:	Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) and irritant gases/vapors.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases :

R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R22	Harmful if swallowed

Safety phrases :

S25	avoid contact with eyes.
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 34.2 Revision Date **23/01/2017**

MOROCCANOIL- STYLING GEL STRONG

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **MOROCCANOIL- STYLING GEL STRONG**

Catalog code : MO-ST

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

MOROCCANOIL- STYLING GEL STRONG

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use.

Skin contact : May cause skin irritation to sensitive persons.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal Irritation, nausea, diarrhea, may be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention.

Ingestion : Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin thoroughly with soap and water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media : Do NOT use water jet or direct foam stream.

Special exposure hazards in a fire : Hazardous decomposition products may be released. Thermal decomposition may produce Carbon Oxides (COx) Nitrogen Oxides (NOx) and irritant gases/vapors.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into waterways.
Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, tightly closed dry area. Keep containers tightly closed when not in use. Store at 20-25c

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection	:	Avoid contact with eyes.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Gel
Color	:	colorless
Odor	:	Floral
pH value at 25°C	:	6.5-7.0
Viscosity at 25°C	:	18000-30000cps
Gravity	:	0.97-0.99
VOC content	:	<1%

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Product	:	Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) and irritant gases/vapors.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases :

R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R22	Harmful if swallowed

Safety phrases :

S25	avoid contact with eyes.
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

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MOROCCANOIL	**Safety Data Sheet**	Version 56.2 Revision Date **23/01/2017**

MOROCCANOIL- TEXTURE CLAY

Section 1: INDENTIFICATION	
1.1 GHS Product Identifier	
Product Name:	Moroccanoil- Texture Clay
1.2 Other means of identification:	
Item number/Size:	MO-MTP-AAJ/B rev A
Harmonized Code:	3305.10.0000
1.3 Recommended use of the chemical and restrictions on use	* For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.
1.4 Supplier Details:	
Company Name:	Moroccanoil Israel Ltd.
Company Address:	16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 7565835, Israel
Company Telephone:	+972-3-9511086/7
1.5 Emergency Phone Number:	Europe : +41 44 251 51 51
	USA : 1 800 222 1222
	Israel : +972 4 854 1900

Section 2: HAZARD(S) IDENTIFICATION					
2.1 Classification of substance or mixture					
Not Classified					
2.2 Globally Harmonized System (GHS) label elements, including precautionary statement					
Hazard Classification:	Category	Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
None	None	None	None	For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.	None
2.3 Other Information					

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Substance

Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES	
4.1 Description of necessary first-aid measures	
Ingestion:	If swallowed, do not induce vomiting. Seek medical attention if indicated.
Skin:	May cause slight irritation. Seek medical attention if indicated
Inhalation:	Not Applicable
Eyes:	In case of contact, flush eyes with plenty of water. Seek medical attention if indicated.
4.2 Indication of immediate medical attention and special treatment needed if necessary (of mixture).	
None known	

Section 5: FIRE FIGHTING MEASURES	
5.1 Suitable Extinguishing Media	Water, Water Spray, Carbon Dioxide (CO2), Dry Powder, Foam.
Unsuitable Extinguishing Media	Not Available
5.2 Specific Hazards arising from the chemical:	None known
Sensitivity to mechanical impact	Not Available
Sensitivity to static discharge	Not Available
5.3 Protective Equipment and Precautions for Firefighters	Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES	
6.1 Action taken if material is spilled or released:	Obtain proper PPE equipment. Large spills should be contained and pumped into adequate containers for disposal. Smalls spills should be wiped up with inert material and placed in appropriate disposal container.
6.2 Environmental Precautions:	Avoid allowing product to reach sewage system or any waterways. Inform appropriate authorities in case of seepage into waterways or sewage system.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace.

7.2 Conditions for safe storage, including any incompatibles.

Store at room temperature. Keep container tightly closed. Keep away from incompatibles such as oxidizing agents, acids, alkalis, and moisture.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION	
8.1 Engineering Controls:	None required under normal conditions.
8.2 Personal Protection Equipment:	
Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure in industrial environment.
Other Protective Equipment:	None required
8.3 Ventilation:	None required under normal conditions

Section 9: PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Semi-Solid Wax
Odor:	Conforms to Standard
Color:	Conforms to Standard
pH:	5.50 – 6.50
Specific Gravity 25°C:	0.96 – 1.01 g/mL
Viscosity:	N/A
Solubility (ies):	Miscible in Water
Melting/Freezing Point:	N/A
Boiling Point:	N/A
Flammability:	N/A
Flash Point:	N/A
Upper/lower flammability or explosive limits:	N/A

Evaporation Rate:	N/A
Relative Density	N/A
Auto ignition temperature:	N/A
Decomposition temperature:	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Partition coefficient; n-octanol/water	N/A

Section 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	Not reactive
10.2 Chemical stability:	Stable under normal temperature and pressure.
10.3 Possibility of hazardous reactions:	None known
10.4 Conditions to avoid:	None known
10.5 Incompatible Materials	Oxidizing agents, acids and alkalis

Section 11: TOXICOLOGICAL INFORMATION

For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers and the manufacturer is not aware of any significant potential for adverse reactions.

Section 12: ECOLOGICAL INFORMATION	
12.1 Info **Summary of Ecological information**: Balance of data on mixture as a whole, not determined.	
12.2 Eco **toxicological properties of specific substances**: See each category below for specific substances.	
12.3 Toxicity Eco toxicity (aquatic and terrestrial, where available): Acute Fish Toxicity: LC50 / 96 HOUR – Not determined Toxicity to aquatic plants not determined.	
Toxicity to microorganisms not determined. Toxicity Threshold/ Not Determined.	
12.4 Persistence and degradability:	Biodegradation is expected
12.5 Bio accumulative potential:	Bioaccumulation is unlikely
12.6 Mobility in soil:	Unknown
12.7 Other adverse affects:	Unknown

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Method: All waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

Section 14: TRANSPORT INFORMATION

14.1 Department of Transportation Information	
Shipping Name:	No Specific Requirement.
Hazard Class:	Non-Regulated
Label (s):	NONE
UN/NA Number:	NONE
Placards:	NONE
14.2 International Transportation Classifications	
IATA, International Air Transportation	Non-Regulated
IMDG, International Maritime Dangerous Goods	Non-Regulated

Section 15: REGULATORY INFORMATION

15.1 Labeling – (Hazards Symbols)

National Fire Protection Association: Health = 0; Flammability = 0; Reactivity = 0; Special Hazard = none

Hazardous Materials information: Health = 0; Flammability = 0; Reactivity = 0; Personal Protection = D

Hazard Rating: None= 0; Minimal = 1; Moderate = 2; Severe = 3; Extreme= 4

Section 16: OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 55.2 Revision Date **23/01/17**

MOROCCANOIL- THICKENING LOTION

Section 1: INDENTIFICATION	
1.1 GHS Product Identifier	
Product Name:	Moroccanoil- Thickening Lotion
1.2 Other means of identification:	
Item number/Size:	FG-001-535-0001 / 3.4 fl. oz, 100 mL
Harmonized Code:	3305.10.0000
1.3 Recommended use of the chemical and restrictions on use	*For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.
1.4 Supplier Details:	
Company Name:	Moroccanoil Israel Ltd.
Company Address:	16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 7565835, Israel
Company Telephone:	+972-3-9511086/7
1.5 Emergency Phone Number:	Europe : +41 44 251 51 51
	USA : 1 800 222 1222
	Israel : +972 4 854 1900

Section 2: HAZARD(S) IDENTIFICATION					
2.1 Classification of substance or mixture					
Not Classified					
2.2 Globally Harmonized System (GHS) label elements, including precautionary statement					
Hazard Classification:	Category	Signal Word	Hazardous Statement	Precautionary Statement	Hazard Pictograms
None	None	None	None	*For External use only. Avoid getting into eyes. If eye contact occurs, flush thoroughly with water. If irritation persists, contact physician; keep out of reach of children.	N/A
2.3 Other Information					

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

MOROCCANOIL	**Safety Data Sheet**	Version 57.1 Revision Date **15/07/2015**
Thickening Lotion		

Section 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

Ingestion:	If swallowed, do not induce vomiting. Seek medical attention if indicated.
Skin:	May cause slight irritation. Seek medical attention if indicated
Inhalation:	Not Applicable
Eyes:	In case of contact, flush eyes with plenty of water. Seek medical attention if indicated.

4.2 Indication of immediate medical attention and special treatment needed if necessary (of mixture).

None known

Section 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media	Water, Water Spray, Carbon Dioxide (CO2), Dry Powder, Foam.
Unsuitable Extinguishing Media	Not Available
5.2 Specific Hazards arising from the chemical:	None known
Sensitivity to mechanical impact	Not Available
Sensitivity to static discharge	Not Available
5.3 Protective Equipment and Precautions for Firefighters	Use personal protective equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Action taken if material is spilled or released:	Obtain proper PPE equipment. Large spills should be contained and pumped into adequate containers for disposal. Smalls spills should be wiped up with inert material and placed in appropriate disposal container.
6.2 Environmental Precautions:	Avoid allowing product to reach sewage system or any waterways. Inform appropriate authorities in case of seepage into waterways or sewage system.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid unintentional contact with skin surfaces. Wear suitable protective clothing. Ensure good ventilation or exhaust in workplace.

7.2 Conditions for safe storage, including any incompatibles.

Store at room temperature. Keep container tightly closed. Keep away from incompatibles such as oxidizing agents, acids, alkalis, and moisture.

Section 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Engineering Controls:	None required under normal conditions.
8.2 Personal Protection Equipment:	
Respiratory Protection:	None required under normal conditions.
Protective Gloves:	Use gloves as a standard industrial handling procedure.
Eye and Face Protection:	Wear safety glasses or goggles to protect against exposure in industrial environment.
Other Protective Equipment:	None required
8.3 Ventilation:	None required under normal conditions

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Emulsion
Color	Off-White
Odor:	Conforms to Standard
pH:	4.25 – 5.00
Specific Gravity 25℃:	0.98 – 1.04
Viscosity:	10,000 – 20,000 cps
Solubility (ies):	Semi-Soluble
Melting/Freezing Point:	N/A
Boiling Point:	N/A
Flammability:	N/A
Flash Point:	N/A
Upper/lower flammability or explosive limits:	N/A
Evaporation Rate:	N/A
Relative Density	N/A
Auto ignition temperature:	N/A
Decomposition temperature:	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Partition coefficient; n-octanol/water	N/A

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity:	Not reactive
10.2 Chemical stability:	Stable under normal temperature and pressure.
10.3 Possibility of hazardous reactions:	None known
10.4 Conditions to avoid:	None known
10.5 Incompatible Materials	Oxidizing agents, acids and alkalis

Section 11: TOXICOLOGICAL INFORMATION

For purposes of chronic exposure under the OSHA Hazard Communication Standard, this is an untested mixture. These products have been used extensively by consumers and the manufacturer is not aware of any significant potential for adverse reactions.

Section 12: ECOLOGICAL INFORMATION

12.1 Info Summary of Ecological information: Balance of data on mixture as a whole, not determined.

12.2 Eco toxicological properties of specific substances: See each category below for specific substances.

12.3 Toxicity

Eco toxicity (aquatic and terrestrial, where available):

Acute Fish Toxicity:
LC50 / 96 HOUR – Not determined

Toxicity to aquatic plants not determined.

Toxicity to microorganisms not determined.

Toxicity Threshold/ Not Determined.

12.4 Persistence and degradability:	Biodegradation is expected
12.5 Bio accumulative potential:	Bioaccumulation is unlikely
12.6 Mobility in soil:	Unknown
12.7 Other adverse affects:	Unknown

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal Method: All waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

Section 14: TRANSPORT INFORMATION

14.1 Department of Transportation Information	
Shipping Name:	No Specific Requirement.
Hazard Class:	Non-Regulated
Label (s):	NONE
UN/NA Number:	NONE
Placards:	NONE
14.2 International Transportation Classifications	
IATA, International Air Transportation	Non-Regulated
IMDG, International Maritime Dangerous Goods	Non-Regulated

Section 15: REGULATORY INFORMATION

15.1 Labeling – (Hazards Symbols)

National Fire Protection Association: Health = 0; Flammability = 0; Reactivity = 0; Special Hazard = none

Hazardous Materials information: Health = 0; Flammability = 0; Reactivity = 0; Personal Protection = D

Hazard Rating: None= 0; Minimal = 1; Moderate = 2; Severe = 3; Extreme= 4

Section 16: OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MATERIAL SAFETY DATA SHEET

FILE NO.:

NAME OF PRODUCT

MSDS DATE: / /

Date: 9/27/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Moroccanoil Volumizing Mousse

MANUFACTURER: Chicago Aerosol
ADDRESS: 1300 North St Coal City,IL 60416

EMERGENCY PHONE: 1-866-634-5100
CHEMTREC PHONE: 1-800-424-9300
OTHER CALLS:
FAX PHONE:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:	CAS NO.	% WT
Isobutane	75-28-5	<5.0
Propane	74-98-6	< 2.0
Ethane, 1,1-Difluoro	75-37-6	< 5.0

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable Aerosol

ROUTES OF ENTRY:May be harmful if swallowed or inhaled

POTENTIAL HEALTH EFFECTS

EYES: Irritating to eyes

SKIN: May cause irritation

INGESTION: May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea,vomiting and diarrhea. May cause central nervous syatem depression.

INHALATION: May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of the respiratory system. May cause drowsiness and dizziness.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: May cause adverse liver effects. May cause adverse effects to the bone marrow and bloodforming system.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Central nervous system. Pre-existing eye disorders. Blood disorders. Liver disorders.Respiratory disorders

CARCINOGENICITY

OSHA: **ACGIH:** **NTP:** **IARC:**

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

SKIN: In case of contact with liquefied gas, thaw frosted parts with lukewarm water. Wash skin with soap and water. In the case of skin irritation or allergic reactions, consult a physician

INGESTION: Call a physician or Poison Contro Center immediately. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person.

INHALATION: Move victim to fresh air. Administer oxygen if breathing is difficult. Apply artificial respiration if victim is not breathing. If symptoms persist, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Keep victim warm and quiet

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE Properties: Containers may explode when heated

FLASH POINT:
F: ND
C:
METHOD USED: Open Cup

NFPA HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
OTHER: Physical and Chemical Hazzard

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
PROTECTION: Personal Protection

EXTINGUISHING MEDIA: CO2 or dry chemical for small fires. Foam for large fires

SPECIAL FIRE FIGHTING PROCEDURES: Addition of water fog will aid in reducing burning rate. Use NIOSH self-contained breathing appartatus in confined areas

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flamable vapors may travel along the floor to be ignited by distant ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion of liquid may form oxides of carbon and nitrogen

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Eliminate all ignition sources. Ventilate area. Small spills should be flushed with large amounts of water. Large spills should be absorbed on non flammable absorbant material for disposal.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Contents under pressure Keep away from heat and sources of ignition. Keep out of reach of children.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : For salon or home use, always provide adequate ventilation.

RESPIRATORY PROTECTION: none necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

EYE PROTECTION: None necessary when product is used as directed.

SKIN PROTECTION: None necessary when product is used as directed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Normal safe working practices

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white foam

ODOR: fragrance

PHYSICAL STATE:

pH AS SUPPLIED:
pH (Other): 6.0
BOILING POINT: of concentrate
F: ND
C:
MELTING POINT: NA
F:
C:
Flash Point : 65 degrees F
F:
C:
VAPOR PRESSURE (mmHg): 45-55 psig
@
F: 70 degrees
C:
VAPOR DENSITY (AIR = 1): N/E
@
F:
C:
SPECIFIC GRAVITY (H2O = 1):
@
F: 1.003
C:
EVAPORATION RATE: > 1

BASIS (=1):

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: soluble

PERCENT SOLIDS BY WEIGHT: No information available

F:
C:

VOLATILE ORGANIC COMPOUNDS (VOC): 6%

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE **UNSTABLE**

STABILITY: Stable under recommended storage conditions

CONDITIONS TO AVOID (STABILITY): Heat, Flames, sparks

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Oxides, Nitrogen Oxides

HAZARDOUS POLYMERIZATION: None under normal processing

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: May be harmful if swallowed. May be harmful if inhaled

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/E

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material as supplied, is a hazardous waste according to federal regulations (40 CFR 261)

RCRA HAZARD CLASS: 2.1

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: ORM-D
ID NUMBER: UN 1950
PACKING GROUP:
LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Aerosols
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS: UN 1950, Aerosols

AIR TRANSPORTATION
PROPER SHIPPING NAME: Aerosols, flamable
HAZARD CLASS: 2.1
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): Exempt

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES: acute health hazard, cronic health hazard, fire hazard, sudden release of pressure hazzard

313 REPORTABLE INGREDIENTS:

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The information contained herein is based on the data available to us ands is believed to be correct to the best of our ability. However Chicago Aerosol makes no warranty, expressed or implied, regarding the accuracy of this data nor assumes any responsibility for injury from intentional or nonintentional misuse of this product.

MOROCCANOIL	**Safety Data Sheet**	Version 47.2 Revision Date 15/01/2017

Moroccanoil- Hand Cream Fragrance Originale

SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name	:	**Moroccanoil- Hand Cream Fragrance Originale**
Use of the product	:	Personal care product
Company		
Office	:	Moroccanoil Israel Ltd. 16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 7565835 Israel
Telephone Fax	:	+972-3-9511086/7 +972-3-9416232
Emergency telephone	:	In case of medical emergencies, please contact your local poisons control center. Europe: +41 44 251 51 51 USA : 1 800 222 1222 24 Hr. Emergency Tel. No. Chemtrec: 800-424-9300 (Within the USA) Israel : +972 4 854 1900

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 3. HAZARDS IDENTIFICATION:

GHS Classification: Not a hazardous substance or mixture

GHS Label Element: Not a hazardous substance or mixture

Other Hazards which do not result in classification:

INHALATION: Slight nasal irritation may occur

SKIN CONTACT: May be irritating to extra-sensitive skin.

EYE CONTACT: May cause mechanical irritation.

INGESTION: Harmful if swallowed. May cause gastrointestinal irritation.

	CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have been not established. Unnecessary exposure to this product or any chemical should be avoided.

SECTION 4. FIRST AID MEASURES:

INHALATION: If inhaled, to remove to fresh air. Get Medical attention if symptoms occur. Not applicable.

SKIN: If irritation is experienced, wash exposed area thoroughly with water. If irritation persists, get medical assistance.

EYES: Flush with plenty of water for 15 minutes, if irritation persists, get medical assistance.

INGESTION: Do not induce vomiting, drink 3-4 glasses of water. Get prompt medical attention.

SECTION 5. FIRE FIGHTING MEASURES:

FLAMMABILITY CLASSIFICATION:	**not flammable**	**FLASH POINT:** not applicable
EXTINGUISHING MEDIA:	Foam, CO_2, water fog, sand/earth.	

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved self-contained breathing apparatus and protective clothe. Cool fire exposed container with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Caution! Floor may become slippery. Absorb spilled material with inert material such as sawdust, sand or earth.

DISPOSAL METHOD: Sweep up and dispose of in accordance with Federal, State and local regulations.

SECTION 7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Use as directed.

STORAGE PRECAUTIONS: Protect containers against physical damage. Keep closed until used. Store in a dry place at ambient temperatures. Keep out of reach of children.

OTHER PRECAUTION: Caution! Spilled material is slippery.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROL:
Not required.

RESPIRATION PROTECTION: Not applicable.

PROTECTIVE GLOVES: Not required.

EYE AND FACE PROTECTION: Not required.

HYGIENIC WORK PRACTICES: No special practices noted. No eating or drinking while working with this material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING RANGE: Not determined

VAPOR DENSITY: **X** HEAVIER / ____ LIGHTER THAN AIR

Evaporation Rate: ____Faster / **X** Slower Than Ether

APPEARANCE:
Opaque, Viscous-Cream

ODOR/TASTE:	Floral
SOLUBILITY IN WATER:	Miscible
pH (range):	6.50-7.50
Specific Gravity:	0.95
VISCOSITY (range):	100,000-200,000 cps

SECTION 10. STABILITY AND REACTIVITY:

STABILITY: _____ **UNSTABLE** **X** **STABLE**

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
May produce toxic fumes of oxides of carbon, sulfur and nitrogen; ammonia.

HAZARDOUS POLYMERIZATION: _____ **MAY OCCUR** **X** **WILL NOT OCCUR**

CONDITIONS TO AVOID: Extreme temperatures.

SECTION 11. TOXICOLOGICAL INFORMATION:

The product has not been tested for specific data.
This product has not been tested on animals.

Carcinogenicity: This information is not available

Reproductive toxicity: No data available

STOT-Single exposure: No data available

STOT-Repeated exposure: No data available

Aspiration toxicity: No data available

SECTION 12. ECOLOGICAL INFORMATION:

Eco toxicity: No data available

Persistence and degradability: No data available

Bioaccumlative potential: No data available

Other adverse effects: No data available

SECTION 13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Collect and dispose of in accordance with Federal, State and local laws and regulations. This product is not classified as an equitable hazardous waste.

SECTION 14. TRANSPORT INFORMATION:

Not regulated according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG

SECTION 15. REGULATORY INFORMATION:

TSCA:	All components are listed or exempted

SARA, Title III, Section 313 (40CFR 372):
Not listed substance

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304/ emergency planning and notification: No listed substance

California Proposition 65: This product is not subject to warning labeling under California Proposition 65

SECTION 16. OTHER INFORMATION:

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 20.2 Revision Date **15/01/2017**

Moroccanoil-Dry Body Oil

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Moroccanoil-Dry Body Oil**

Product code : BLDO100

Use of the product : Personal body care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7

Fax +972-3-9416232

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Specific Hazards :

HAZARDS	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	N

Potential Health effects : Please refer to section 11.

4. FIRST AID MEASURES

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Inhalation : Remove to fresh air.

Ingestion : Never make an unconscious person vomit or drink fluids!
Rinse mouth thoroughly.
Seek medical advice and show the label when possible.

Skin Contact : Rinse skin with water and mild soap. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Flammability:	Non-Flammable
Conditions of Flammability:	Not Applicable
Methods of Extinction:	Not Applicable
Special Procedures:	Not Applicable
Flashing and Method:	>95°C
U.E.L (% by Volume)	Not Applicable
L.E.L (% by Volume)	Not Applicable
Auto Ignition Temp. (°C)	Not Applicable
Rate of Burning:	Not Applicable
TDG Flammability Classification	None
Explosive Power:	None
Sensitivity of Impact:	None
Sensitivity of Static Discharge :	None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal Protection equipment recommendations described in sections 8.

Environmental precautions : Prevent from spreading or entering into drains, ditches or waterways by using sand, earth or other appropriate barriers.

Clean up methods : Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by embanking, etc... procedures. Avoid sparks, flames, heat and smoking. Ventilate. Mop, wipe or soak up with absorbent material and place in appropriate container. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Further information : The spilled product produces an extremely slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid inhalation of vapors. Avoid all unnecessary exposure.
Keep away from food, drink and animal dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original glass bottles in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Static electricity will accumulate and may ignite vapors.
Prevent a possible fire hazard by taking precautionary measures against static discharges.
Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : In case of inadequate ventilation use suitable respirator.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Eye protection : Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Match to Standard
Odor:	Match to Standard
Specific Gravity:	0.94-0.96
pH:	N/A
Evaporation Rate:	Not Available
Boling Point:	Not Determined
Freezing Point:	Not Determined
% Volatiles:	N/A
Vapor Pressure:	Not Available
Vapor Density (Air=1):	Not Available
Solubility in Water:	Insoluble

10. STABILITY AND REACTIVITY

Chemical Stability :	Stable
Compatible With Other Substances :	Yes
Reactivity Under What Conditions :	None Known
Hazardous Decomposition Products :	Silicon Dioxide/Carbon Oxides
Name Incompatibilities :	N/A

11. TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation	:	Inhalation is an unlikely route of exposure under normal temperature conditions and recommended use. Accidental inhalation of the product spray, is unlikely to cause irritation of the nose and upper respiratory tract.
Skin contact	:	May cause skin irritation. Repeated exposure to the product is unlikely to produce allergy by skin contact. Exposure to this product is unlikely to result in phototoxic effects.
Eye contact	:	Accidental exposure of the eye to the product may result in eye irritation.
Ingestion	:	Accidental ingestion of the product may cause irritation to the mouth and upper digestive tract.
Toxicological tests	:	No data is available regarding the finished product.
Additional information	:	Toxicological assessment of the finished product is available and will be sent upon request.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases :

R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R22	Harmful if swallowed

Safety phrases :

S25	avoid contact with eyes.
S61	Avoid release to the environment. Refer to special instructions/safety data sheet

Further information : Fragrance contained within the product covered by this SDS, is in compliance with the standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 48th Amendment/Published June, 2015).

16. OTHER INFORMATION

Further information : None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier……	MOROCCANOIL- ChromaTech PRIME
Reach Registration number……..	No information available
Product name……..	MOROCCANOIL ChromaTech PRIME
Product code……	No information available
Product type……	N/A
EC-No. ……	N/A
Formular……	N/A

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified uses …….	Personal care
Main use category……...	Personal care

1.3: Company/undertaking identification

Supplier……	MOROCCANOIL®
Company telephone number……	+972 3 9511086
Company fax number……	+972 3 9416232
Company contact person……...	Idan Avishay

Emergency telephone number……..	+972 3 9511086 , 374

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is not classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram……..	none
Signal word……..	none
Hazard statement(s)……	none
Precautionary statement(s)……	none

Supplemental Hazard Statements	none

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms	MIXTUR
Formula	N/A
Molecular Weight	N/A

Dangerous Component		Classification	concentration
ETHANOL			
CAS-No.	64-17-5	H225	<6%
EC-No.	200-578-6		
Annex I number	N/A		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact.....	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact.....	If skin problems occur, discontinue use. If skin irritation persists, call a physician
Inhalation.....	N/A
Ingestion.....	Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-Fighting Measures

5.1 Extinguishing media
Dry chemical, CO 2, water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear

5.4 Further information
N/A

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
No information available

6.4 Reference to other sections
For disposal see section 13.

7. Handling And Storage

7.1. Handling

Handling……	Keep container hermetically closed in a dry, fresh and well airy place far from spakles or flames.Observe label precautions
Handling temperatures……..	No information available

7.2. storage

Storage……	No information available

7.3. special use(s) and requirements

Product transfer/packing requirement……..	While loading, unloading, tank gauging, etc., remain upwind. Request assistance of

	safety and industrial hygiene personnel to determine air concentrations. Know the location of eye wash stations and safety showers.
Recommended materials……	No information available
Unsuitable materials……..	No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection……	No special protective equipment required.
Respiratory Protection.....	No information available
Body Protection ……	No special protective equipment required.

9. Physical And Chemical Properties

9.1. general information

Appearance……..……	Clear Colorless Solution
Colour……	Clear Colorless
Odour……	Characteristic

9.2. important health, safety and environmental information

Initial boiling point and boiling range……..….	No data available
Flash point……..……	No data available
Density……	No data available
Specific Gravity……..	0.980 – 1.01@25°C
Solubility in water……..	No data available
PH……	5.80 – 6.30

10. Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

This material is stable when handled and stored at recommended temperatures.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to Avoid

Heat, flames and sparks, extremes of temperature and direct sunlight.

10.5 Incompatibilities with Other Materials
No data available

10.6 Hazardous Decomposition Products
No data available

10.7 Hazardous Polymerization
Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral.....	No data available
Acute toxicity – derma.....	No data available
Acute toxicity – inhalation.....	No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact……..	No known effect based on information supplied.
Symptoms/injuries after inhalation……	No known effect based on information supplied.
Symptoms/injuries after eye contact……	No known effect based on information supplied.
Carcinogenicity	no data available

11.2. other information

Hazchem code……..	N/A
Potential health effects	no data available

12. Ecological Information

12.1. Ecotoxicity.....	No data available
12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general……	It is improbable that the composition with ethyl alcohol for cosmetic purpose will accumulate in the environment and cause problems if used in normal conditions.

13.2. disposal instructions

Waste disposal……	Dispose of in accordance with local regulations
Product disposal……..……	Dispose of in accordance with local regulations
Container/package disposal……	Dispose of in accordance with local regulations
Disposal precautions……	Use Personal Protective Equipment as per Para 8.

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.
EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification……	Not regulated
ADR……	Not regulated
IMDG Code……	Not regulated
ICAO……	Not regulated

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations

(Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.

16. Other Information

Text of H-code(s) mentioned in Section 3

Reach references.....	Not registered
Revision date.....	5.11.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

Chemic Engineering & Safety Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Chemic Engineering & Safety Ltd. makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Chemic Engineering & Safety Ltd will not be responsible for damages resulting from use of or reliance upon this information.

****

Prepared by: Chemic Engineering & Safety Ltd.
Phone Number: (972)-3-9303814 (Israel)

1. Identification of the Substance/Preparation and of the Company / Undertaking

SDS compliant with regulations – (EC) No 1907/2006 (REACH), (EC) No 1272/2008 (CLP)

1.1: Identification of the substance/mixture and of the company/undertaking

Product Identifier……	MOROCCANOIL- ChromaTech POST
Reach Registration number……..	No information available
Product name……..	MOROCCANOIL- ChromaTech POST
Product code……	No information available
Product type……	N/A
EC-No. ……	N/A
Formular……	N/A

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified uses ……..	Personal care
Main use category……...	Personal care

1.3: Company/undertaking identification

Supplier……	MOROCCANOIL®
Company telephone number……	+972 3 9511086
Company fax number……	+972 3 9416232
Company contact person……...	Idan Avishay

Emergency telephone number……..	+972 3 9511086 , 374

2. Hazards Identification

2.1. classification of the substance or mixture

This substance is not classified as dangerous

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Classification according to EU Directives 67/548/EEC or 1999/45/EC

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram……	none
Signal word……..	none
Hazard statement(s)……	none
Precautionary statement(s)……	none

Supplemental Hazard Statements	none

2.3. Other hazards - none

3. Composition/Information on Ingredients

3.1 Mixtures

Synonyms	MIXTUR
Formula	N/A
Molecular Weight	N/A

Dangerous Component		Classification	concentration
CETEARYL ALCOHOL			
CAS-No.	67762-27-0		3-8%
EC-No.	267-008-6		
Annex I number	N/A		
DIPROPYLENE GLYCOL			
CAS-No.	25265-71-8		0.1-4%
EC-No.	246-770-3		
Annex I number	N/A		
AMODIMETHICONE			
CAS-No.	71750-80-6	H315, H319	0.1-4%
EC-No.	615-337-4		
Annex I number	N/A		
BEHENAMIDOPROPYL DIMETHYLAMINE			
CAS-No.	60270-33-9	H318	0.1-4%
EC-No.	262-134-8		
Annex I number	N/A		
Apricot, ext.			
CAS-No.	68650-44-2	H226	0.1-4%
EC-No.	272-046-1		
Annex I number	N/A		

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First-Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact.....	Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Contact.....	If skin problems occur, discontinue use. If skin irritation persists, call a physician
Inhalation.....	N/A
Ingestion.....	Clean mouth with water and afterwards drink plenty of water

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-Fighting Measures

5.1 Extinguishing media
Dry chemical, CO 2, water spray or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No data available

5.3 Advice for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear

5.4 Further information
N/A

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment.

6.2 Environmental precautions
Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up
No information available

6.4 Reference to other sections
For disposal see section 13.

7. Handling And Storage

7.1. Handling

Handling……	Keep container hermetically closed in a dry, fresh and well airy place far from spakles or flames.Observe label precautions
Handling temperatures……..	No information available

7.2. storage

Storage……	No information available

7.3. special use(s) and requirements

Product transfer/packing requirement……..	While loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations. Know the location of eye wash stations and safety showers.
Recommended materials……	No information available
Unsuitable materials……..	No information available

8. Exposure Controls / Personal Protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Personal Protective Equipment:

Hand, Skin and Eye protection……	No special protective equipment required.
Respiratory Protection.....	No information available
Body Protection ……	No special protective equipment required.

9. Physical And Chemical Properties

9.1. general information

Appearance……	Off-white viscous lotion
Colour……	Off-White
Odour……	Charateristic

9.2. important health, safety and environmental information

Initial boiling point and boiling range……..	No data available
Flash point……	No data available
Density……	No data available

Specific Gravity……	0.97 – 1.02 @ 25°C
Solubility in water……..	No data available
PH……	4.00 – 4.50

10. Stability And Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

This material is stable when handled and stored at recommended temperatures.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to Avoid

Heat, flames and sparks, extremes of temperature and direct sunlight.

10.5 Incompatibilities with Other Materials

No data available

10.6 Hazardous Decomposition Products

No data available

10.7 Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

11. Toxicological Information

Acute toxicity – oral……	No data available
Acute toxicity – derma……	No data available
Acute toxicity – inhalation……	No data available

11.1. Effects and symptoms

Symptoms/injuries after skin contact……..	No known effect based on information supplied.
Symptoms/injuries after inhalation……	No known effect based on information supplied.
Symptoms/injuries after eye contact……	No known effect based on information supplied.
Carcinogenicity	no data available

11.2. other information

Hazchem code……	N/A
Potential health effects	no data available

12. Ecological Information

12.1. Ecotoxicity.....	No data available
12.2. Environmental Fate.....	No data available
12.3. Physical/Chemical.....	No data available
12.4. Bio accumulative potential.....	No data available

13. Disposal Considerations

13.1. ecological aspects

Ecological general.....	It is improbable that the composition with ethyl alcohol for cosmetic purpose will accumulate in the environment and cause problems if used in normal conditions.

13.2. disposal instructions

Waste disposal.....	Dispose of in accordance with local regulations
Product disposal.....	Dispose of in accordance with local regulations
Container/package disposal.....	Dispose of in accordance with local regulations
Disposal precautions.....	Use Personal Protective Equipment as per Para 8.

13.3. EU and local legislation

ISRAELI legislation - Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990.
EU - Directive 91/689/EEC on hazardous waste

14. Transport Information

DOT Classification.....	Not regulated
ADR.....	Not regulated
IMDG Code.....	Not regulated
ICAO.....	Not regulated

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

No data available

15.3. compliancy additional legislation

ISRAELI legislation - Hazardous Substances Law, 1993, Licensing of Businesses Regulations (Disposal of Hazardous Wastes), 1990, Hazardous Substances Regulations (Import and Export of Hazardous Wastes), 1994, Licensing of Businesses Regulations (Hazardous Industrial Plants), 1993, transport services law, 1997, Licensing of Businesses Regulations (oil storage), 1976.

16. Other Information

Text of H-code(s) mentioned in Section 3

Reach references.....	Not registered
Revision date.....	1.11.2017
Revision information.....	New Addition
Other information.....	Not available

Disclaimer:

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Prepared by: Chemic Engineering & Safety Ltd.
Phone Number: (972)-3-9303814 (Israel)

MOROCCANOIL	**Safety Data Sheet**	Version 82.1 Revision Date 04/07/2018

Professional Shampoo For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Professional Shampoo For All Hair Types**

Product code : N/A

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion : Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.
Where a stomach flush is called for, this may require a silicone antifoaming compound, since the product contains foaming surfactants.

Skin Contact : Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemicals.

Unsuitable extinguishing media : Do NOT use water jet or direct foam stream, as this may cause frothing and increase fire intensity.

Special exposure hazards in a fire : Hazardous decomposition products may be released, may produce Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl) and toxic gases.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into waterways.
Notify authorities if a large quantity of the product enters sewers or waterways.

Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling	:	Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure. For external use only. Keep away from food, drink and animal feeding dishes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. For personal protection see section 8.
Storage	:	Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Storage at temperature under 40°C is recommended.
Precautions	:	Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection	:	No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
Hand protection	:	Use suitable gloves.

Skin Protection	**:**	Use suitable protective clothing. Avoid prolonged contact with skin and clothing.
Eye protection	:	Avoid contact with eyes. Wear approved safety goggles if splash hazards exist.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque white semi- viscous liquid
Color	:	White
Odor	:	Characteristic
PH value	:	4.80-5.20
Density at 25°C	:	0.99-1.01 gr/ml
Viscosity	**:**	15000-25000 (cPs)

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition Products	:	None known when properly handled. Thermal decomposition may produce hazardous products such as: Carbon oxides (COx) Nitrogen oxides (NOx) Sulfur oxides (Sox) (Sox) Hydrogen Chloride (HCl) and toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.
Risk phrases	:	None.
Safety phrases	:	S25 avoid contact with eyes.
Further information	:	Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – June 2015.

16. OTHER INFORMATION

Further information	:	None.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Moroccanoil to be dependable and is accurate to the best of the company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 83.1 Revision Date **04/07/2018**

Professional Conditioner For All Hair Types

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **Professional Conditioner For All Hair Types**

Product code : N/A

Use of the product : Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 7565835
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Ma'alot Tarshiha, 2101001
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance
Not applicable

*The exact percentage (concentration) of composition has been withheld as a trade secret.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.

Skin contact : May cause skin irritation.

Eye contact : Accidental exposure to the eye from the product may result in eye Irritation. Some redness and/or stinging may occur.

Ingestion : Ingestion is an unlikely route of exposure.
Accidental ingestion of the product may cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation **:** If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion : Never make an unconscious person vomit or drink fluids!

Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin with plenty of water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use water spray, carbon dioxide, foam or dry chemicals.

Unsuitable extinguishing media : Do NOT use water jet.

Hazardous decomposition products: Carbon oxides (COx) and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl), Toxic gases.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and full protective gear.

Further information : Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.

Environmental precautions : Prevent entry into drains and into water courses.
Notify authorities if a large quantity of the product enters sewers or water courses.

Clean up methods : Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.

Further information : The spilled product may produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry place and protect from light. Keep containers tightly closed when not in use. Avoid extreme temperature changing. Storage at temperature under 40°C is recommended.

Precautions : Keep away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection	:	Avoid contact with eyes. Wear approved safety goggles.
Hygiene measures	:	Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Opaque viscous lotion
Color	:	White
Odor	:	Characteristic
PH value	:	4.00 – 4.5
Solubility in water	:	Soluble
Viscosity	:	15000-25000 cPs

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Strong oxidizing agents.
Hazardous decomposition Products	:	Carbon oxides (COx) and traces of incompletely burned carbon compounds, Nitrogen oxides (NOx) Sulfur oxides (Sox) Hydrogen Chloride (HCl), Toxic gases.

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

No data is available regarding the finished product.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol : None.

Risk phrases : None.

Safety phrases : S25 avoid contact with eyes.

Further information : Fragrance contained within the product covered by this SDS, complies with requirement of the latest IFRA recommendations, 48th amendment – July 2015.

16. OTHER INFORMATION

Further information : None.

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This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Moroccanoil assumes no responsibility for injury to the recipient, or third parties or for any damage to any property resulting from misuse of the product.

MOROCCANOIL	**Safety Data Sheet**	Version 20.1 Revision Date 28/02/2012

Moroccanoil-Body Buff

May be used to comply with OSHA's Hazard Communications Standard,
29 CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I: PRODUCT AND COMPANY INFORMATION

Product name : **Body Buff**

Use of the product : Personal care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax : +972-3-9416232

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe : +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 190

MOROCCANOIL	**Safety Data Sheet**	Version 20.1 Revision Date 28/02/2012

Moroccanoil-Body Buff

SECTION II: HAZARDOUS INGREDIENTS

This product is a "mixture" for which no health hazard data exist. The hazard communication standard requires that such mixtures be assumed to present the same health hazards as do components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted the hazards of individual components may be altered by including them in a mixture.

SECTION III: PHYSICAL DATA

Physical Appearance: Orange Gelled Oil w/ Orange Bits Odor: Orange/Citrus Boiling Point: N/A	Solubility in Water: Not Soluble

SECTION VIII: FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

Extinguishing Media: Use CO_2, Foam, Dry Chemical

SECTION V: REACTIVITY DATA

Stability: Stable

SECTION VI: HEALTH HAZARD DATA

Non Hazardous

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Material Release or Spill: Contain spill and promptly clean up. Flush with water until floor is no longer prone to slippery conditions

Waste Disposal Method: Products are considered non-hazardous waste according to RCRA. Disposal should be in accordance with all applicable local, state, and federal regulations

Handling and Storage: Store in an area with even, normal temperatures away from heat

SECTION VIII: SPECIAL PROTECTION INFORMATION FOR SAFE HANDLING AND USE

None Required under normal use conditions

This information is believed to be accurate and has been obtained from current and reliable sources. This information is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to assume liability for loss, injury, damage, or expense resulting from improper use of this product. Recipients are advised to confirm in advance the need that the information is current, applicable and suitable to their circumstances.

MOROCCANOIL	**Safety Data Sheet**	Version 23.1 Revision Date **28/01/2013**

Body Butter

1. IDENTIFICATION OF THE SUBSTANCE / PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name : **Moroccanoil- Body Butter**

Catalog code : BLBT50, BLBT190

Use of the product : Body personal care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Zone
P.O.B 17
Maalot Tarshiha, 24952
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

No.	INCI name(US)/INCI name (EU)	CAS No.	EINECS No.	Colour Index No./ Remarks
1	Water/Aqua	7732-18-5	**231-791-2**	
2	Octyldodecanol	5333-42-6	226-242-9	
3	C12-15 Alkyl Benzoate	68411-27-8	270-112-4	
4	Cetearyl Alcohol	8005-44-5	267-008-6	
5	Glycerin	56-81-5	200-289-5	
6	Cetyl Alcohol	36653-82-4	253-149-0	
7	Myristyl Myristate	3234-85-3	221-787-9	
8	Glyceryl Stearate	31566-31-1	250-705-4	
9	Cetearyl Glucoside	246159-33-1	---------	
10	Phenyl Trimethicone	2116-84-9	218-320-6	
11	Fragrance	---------	---------	
12	Phenoxyethanol	122-99-6	204-589-7	$\leq$ 1.0%
13	Sodium Polyacrylate	9003-04-7	---------	
14	Butyrospermum parkii (Shea Butter)	194043-92-0	---------	
15	Argania Spinosa Kernel Oil (Argan Oil)	223747-87-3	---------	
16	Sodium Stearoyl Glutamate	38517-23-6	253-980-9	
17	Hydrogenated Polyisobutene	40921-86-6	---------	
18	Dimethicone	63148-62-9	---------	
19	Chlorphenesin	104-29-0	203-192-6	$\leq$ 0.3%
20	Theobroma Cacao Seed Butter	8002-31-1	283-480-6	
21	Mangifera Indica (Mango) Seed Butter	90063-86-8	290-045-4	

22	Squalane	111-01-3	203-825-6	
23	Olea Europaea Fruit Oil (Olive Oil)	8001-25-0	232-277-0	
24	Persea Gratissima Oil (Avocado Oil)	8024-32-6	232-428-0	
25	Allantoin	97-59-6	202-592-8	
26	Xylitylglucoside	---------	---------	
27	Caprylyl Glycol	1117-86-8	214-254-7	
28	Punica Granatum Seed Oil (Pomegranate Oil)	84961-57-9	284-646-0	
29	Riboxyl	50-69-1	200-059-4	
30	Biosaccharide Gum-1	---------	---------	
31	Anhydroxylitol	53448-53-6	258-560-9	
32	Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer	66070-58-4 and 68648-89-5	---------	
33	Tocopheryl Acetate	58-95-7	200-405-4	
34	Ascorbyl Palmitate	137-66-6	205-305-4	
35	Disodium EDTA	139-33-3	205-358-3	
36	Xylitol	87-99-0	201-788-0	
37	Sodium Chloride	7647-14-5	231-598-3	
38	BHT (Butylated Hydroxytoluene)	128-37-0	204-881-4	

There are no perfume ingredients that must, under the 7th amendment to the EU directive on the safety of cosmetics, be declared on the product label.

3. HAZARDS IDENTIFICATION

Potential Health effects

Inhalation : Inhalation is an unlikely route of exposure.
Accidental inhalation may irritate the respiratory system.
Mist may irritate mucous membranes.

Skin contact : May cause skin irritation to sensitive persons.

Eye contact : Accidental exposure to the eye from the product, may result in eye Irritation, redness, stinging and damage to the eye.

Ingestion : Accidental ingestion of the product may cause gastrointestinal Irritation, nausea, diarrhea, may be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation **:** If respiratory irritation occurs, remove individual to fresh air. If Irritation symptoms persist, get medical attention.

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention.

Ingestion : Never make an unconscious person vomit or drink fluids! Rinse mouth and drink plenty of water. Seek medical advice and show the label where possible.

Skin Contact : Discontinue use of product. Rinse skin thoroughly with soap and water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, carbon dioxide, foam or dry chemical.
Unsuitable extinguishing media	:	It is not recommended to use water jet or direct foam stream, as this may cause frothing.
Special exposure hazards in a fire	:	Hazardous decomposition products may be released. Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) and irritant gases/vapors.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and full protective gear.
Further information	:	Water spray can be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Wear proper protective equipment. Observe all personal protection equipment recommendations described in sections 8.
Environmental precautions	:	Prevent entry into drains and into waterways. Notify authorities if a large quantity of the product enters sewers or waterways.
Clean up methods	:	Soak up with inert absorbent material and place into a separate waste container. Clean surface thoroughly with suitable detergent and water.
Further information	:	The spilled product will produce a slippery surface, take precautions.

7. HANDLING AND STORAGE

Handling : Provide adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal feeding dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.
For personal protection see section 8.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Precautions : Keep away from oxidizing agents, strong acids and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection

Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Hand protection : No specific hand protection noted, but gloves may still be advisable.

Skin Protection : No special clothing/skin protection equipment is recommended under normal conditions of use.

Eye protection : Avoid contact with eyes. Wear approved safety goggles.

Hygiene measures : Exercise good hygiene practice. Wash after handling, especially before eating, drinking or smoking. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Solid viscous butter
Color	:	Off-white
Odor	:	Characteristic
pH value at 25°C	:	5.5-6.5
Viscosity at 25°C	:	Not Applicable
Density (g/ml)	:	1.00-1.04

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal temperature conditions and recommended use.
Materials to avoid	:	Oxidizing agents, strong acids and bases.
Hazardous decomposition Product	:	Thermal decomposition may produce Carbon oxides (COx) Nitrogen oxides (NOx) and irritant gases/vapors.

11. TOXICOLOGICAL INFORMATION

Toxicological tests	:	No data is available regarding the finished product.
Potential Health effects	:	Please refer to section 3.

12. ECOLOGICAL INFORMATION

The product contains an ingredient which is very toxic to aquatic environment.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment. Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The finished packaged product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG/ICAO-TI

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

Hazard Symbol	:	None.	
Risk phrases	:	R50/53.	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
		R22	Harmful if swallowed
Safety phrases	:	S25	avoid contact with eyes.
		S61	Avoid release to the environment. Refer to special instructions/safety data sheet

16. OTHER INFORMATION

Further information	:	None.

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MOROCCANOIL	**Safety Data Sheet**	Version 18.1 Revision Date 28/02/2012

Moroccanoil-Body Souffle

SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name	:	**Moroccanoil- Body Soufflé**
Product code	:	MLN-021611-C
Use of the product	:	Personal care product
Company		
Office	:	Moroccanoil Israel Ltd. 16 Moshe Levi. St. Kennedy House, Industrial Area, Rishon Lezion, 75658 Israel
Telephone	:	+972-3-9511086/7
Fax		+972-3-9416232
Emergency telephone	:	In case of medical emergencies, please contact your local poisons control center. Europe: +41 44 251 51 51 USA : 1 800 222 1222 24 Hr. Emergency Tel. No. Chemtrec: 800-424-9300 (Within the USA) Israel : +972 4 854 1900

SECTION 2. HAZARD INGREDIENTS/IDENTITY INFORMATION:

The identity of individual components of this mixture is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of contained ingredients present, this mixture presents the following health hazard(s):

HAZARDOUS COMPONENTS	% RANGE	CAS NO.	OSHA PEL	ACGIH TLV
N/A				

SECTION 3. HAZARDS IDENTIFICATION:

I. EMERGENCY OVERVIEW:

TYPE OF HAZARD: Not applicable.

APPEARANCE:
Opaque, Semi-Viscous Lotion

II. POTENTIAL HEALTH EFFECTS:

INHALATION: Not applicable.

SKIN CONTACT: May be irritating to extra-sensitive skin.

EYE CONTACT: May cause mechanical irritation.

INGESTION: Harmful if swallowed. May cause gastrointestinal irritation.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:
Chronic effects and medical conditions aggravated by overexposure to this product have been not established. Unnecessary exposure to this product or any chemical should be avoided.

SECTION 4. FIRST AID MEASURES:

INHALATION: Not applicable.

SKIN: If irritation is experienced, wash exposed area thoroughly with water. If irritation persists, get medical assistance.

EYES: Flush with plenty of water for 15 minutes, if irritation persists, get medical assistance.

INGESTION: Do not induce vomiting, drink 3-4 glasses of water. Get prompt medical attention.

SECTION 5. FIRE FIGHTING MEASURES:

FLAMMABILITY CLASSIFICATION: not flammable

Flash Point: Not applicable

EXTINGUISHING MEDIA: Foam, CO_2, water fog, sand/earth.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not applicable.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire exposed container with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Caution! Floor may become slippery. Absorb spilled material with inert material such as sawdust, sand or earth.

DISPOSAL METHOD: Sweep up and dispose of in accordance with Federal, State and local regulations.

SECTION 7. HANDLING AND STORAGE:

USAGE PRECAUTIONS: Use as directed.

STORAGE PRECAUTIONS: Protect containers against physical damage. Keep closed until used.
Store in a dry place at ambient temperatures. Keep out of reach of children.

OTHER PRECAUTION: Caution! Spilled material is slippery.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROL: Not required.

RESPIRATION PROTECTION: Not applicable.

PROTECTIVE GLOVES: Not required.

EYE AND FACE PROTECTION: Not required.

HYGIENIC WORK PRACTICES: No special practices noted. No eating or drinking while working with this material.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING RANGE: Not determined

VAPOR DENSITY: **X** HEAVIER / ____ LIGHTER THAN AIR

Evaporation Rate: ____Faster / **X** Slower Than Ether

APPEARANCE: Opaque, Semi-Viscous Lotion

ODOR/TASTE: Floral

SOLUBILITY IN WATER: Miscible

pH (range): 6.00-7.00

Specific Gravity: 0.99

VISCOSITY (range): 20,000-35,000 cps

SECTION 10. STABILITY AND REACTIVITY:

STABILITY: _____ **UNSTABLE** **X** **STABLE**

INCOMPATIBILITY (MATERIALS TO AVOID):
Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
May produce toxic fumes of oxides of carbon, sulfur and Nitrogen; Ammonia.

HAZARDOUS POLYMERIZATION: _____ MAY **OCCUR** **X** WILL NOT OCCUR

CONDITIONS TO AVOID: Extreme temperatures.

SECTION 11. TOXICOLOGICAL INFORMATION:

HEALTH WARNING: Not applicable.

SECTION 12. ECOLOGICAL INFORMATION:

Avoid uncontrolled release of this material.

SECTION 13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD: Collect and dispose of in accordance with Federal, State and local laws and regulations. This product is not classified as an equitable hazardous waste.

SECTION 14. TRANSPORT INFORMATION:

DOT CLASSIFICATION: Not regulated.

SECTION 15. REGULATORY INFORMATION:

TSCA: Not applicable.

SARA, Title III, Section 313 (40CFR 372):
Not applicable.

California Proposition 65: not applicable

SECTION 16. OTHER INFORMATION:

Moroccanoil-Body Souffle

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MOROCCANOIL	**Safety Data Sheet**	Version 17 Revision Date 29/02/2012

Moroccanoil- Cleansing Bar

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation : "MOROCCANOIL – Cleansing Bar"
80 g or 110 g (2.82 or 3.88 oz. net wt.).

Use of the preparation : Body soap care.

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. HAZARDS IDENTIFICATION

MAIN HAZARDS
None.

HEALTH EFFECTS
Irritant to eyes.

By the presence of Linalol, Lyral (HMPCC), Lilial (BMHCA), risk of allergic reactions.

ENVIRONMENTAL HAZARDS
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do not throw the product into the environment.

SPECIFIC RISKS
No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

"MOROCCANOIL – Argan Opaque Soap"
Nature: Preparation containing:

Names	% (w/w)	N° CAS	N°EINECS	Symbols	R-Phrases and S-Phrases	Limiting values
LINALYL ACETATE	≤ 1	115-95-7	204-116-4	N- dangerous for the environment	R51/53	-
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	≤ 1	54464-57-2	259-174-3	Xi- irritant N- dangerous for the environment	R43 R51/53	-
HEXAMETHYLINDANOPYRAN	≤ 1	1222-05-5	214-946-9	N- dangerous for the environment	R50/53	-
1-(5,6,7,8-TETRAHYDRO-3,5,5,6,8,8-HEXAMETHYL-2-NAPHTHYL)ETHAN-1-ONE	≤ 1	1506-02-1	216-133-4	Xn – harmful N- dangerous for the environment	R22 R50/53	-
2-(4-TERT-BUTYLBENZYL)PROPIONALDEHYDE	≤ 1	80-54-6	201-289-8	Xn – harmful N- dangerous for the environment	R22 R38 R43 R62 R51/53	-
METHYL-IONONE	≤ 1	1335-46-2	215-635-0	N- dangerous for the environment	R51/53	-
ETHOXYLATED C6-C12 ALCOHOLS	1< c ≤ 5	68439-45-2	-	Xn – harmful	R22 R41	-

4. FIRST AID MEASURES

GENERAL ADVICE
No particular measure is required.

INHALATION
No particular measure is required.

EYE CONTACT

Wash well-open eyes immediately and abundantly with water for at least 15 minutes. Consult an ophthalmologist.

SKIN CONTACT

No particular measure is required.

INGESTION

Do not induce vomiting, rinse mouths and lips with plenty of water if the subject is conscious.

Seek medical advice immediately and show this container or label.

5. FIRE - FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO_2), dry chemical powder, water with additives.

UNSUITABLE EXTINGUISHING MEDIA

Water jet.

SPECIFIC HAZARDS

In case of fire, product decompose in carbon oxides (CO and CO_2)

SPECIAL EQUIPMENT OF SAFETY

Wear a self-contained breathing apparatus in pressure-demand and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Be careful, floor could be slippery.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains or water courses.

Eliminate waste in accordance with all the national regulations in force.

METHODS FOR CLEANING UP

Collect residues with a shovel and put them in an identified container.

Eliminate in accordance with local regulation.

Wash the contaminated area with plenty of water.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with eyes.

STORAGE

Keep out of the reach of children.

Store in original container.

Protect from all contamination.

These containers should only be used for this product.

Keep hermetically closed packing.

Avoid long exposure to heat and light.

CAUTIONS FOR USE

Do not swallow.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITING VALUES

Ingredients with limiting values to survey: none.

EXPOSURE CONTROL

Professional exposure control

Skin protection : In case of long or repeated contact, wear suitable gloves.

Respiratory protection	:	Not necessary for a normal use of the product.
Eye protection	:	If the contact with product is possible, use chemical safety goggles.
Industrial hygiene	:	When using do not eat, drink or smoke. Wash the hands well before/after handling.

Exposure control relative to environment protection:

Do not let penetrate into drains, subsoil waters and surface waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Solid
COULOUR	:	Beige slightly salmon pink opaque soap
ODOUR	:	Characteristic of perfume
pH (25°C)	:	9-11 (1% solution)
BOILING POINT/RANGE	:	-
MELTING POINT/RANGE	:	-
FLASH POINT	:	-
VAPOUR PRESSURE (20°C)	:	-
DENSITY (20°C)	:	-
SOLUBILITY IN WATER	:	-
SOLUBILITY IN OIL	:	-
OTHER DATA	:	-

10. STABILITY AND REACTIVITY

STABILITY

Stable 60 months in the recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid long exposure to heat and light.

MATERIALS TO AVOID

No data available.

DANGEROUS DECOMPOSITION PRODUCTS

In case of fire, product decompose in carbon oxides (CO and CO_2)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation	:	No data available.
Ingestion	:	No data available.
Cutaneous irritation	:	No data available.
Ocular irritation	:	No data available.

SENSITISING

Cutaneous irritation	:	No data available.
CHRONIC TOXICITY	:	No data available.
CYTOTOXICITY	:	No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	:	No data available.
MOBILITY	:	No data available.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATION POTENTIAL	:	No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT OR RESIDUE

Do not discharge into sewers or into the environment.

Eliminate in accordance with local regulation.

DIRTY PACKING.

Eliminate in accordance with local regulation.

14. TRANSPORT INFORMATION

This product is not covered by the international regulation on dangerous good transport. (IMDG, ADR, RID and OACI/IATA).

15. REGULATORY INFORMATION

This product is classified cosmetic in agreement with directive 76/768/EC.

16. OTHER INFORMATION

Risk phrases and safety phrases mentioned in the point 3 : "Composition / Information on ingredients" are presented hereafter :

R22	:	Harmful if swallowed.
R38	:	Irritating to skin.
R41	:	Risk of serious damage to eyes.
R43	:	May cause sensitisation by skin contact.
R62	:	Possible risk of impaired fertility.
R50/53	:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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MOROCCANOIL	**Safety Data Sheet**	Version 16 Revision Date 29/02/2012

Moroccanoil- Intense Hydrating Treatment

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation : "MOROCCANOIL – Intense Hydrating Treatment" Tube of 100 mL (3.3 fl. oz.).

Use of the preparation : Body massage gel.

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Emergency telephone : In case of medical emergencies, please contact your local poisons control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. HAZARDS IDENTIFICATION

MAIN HAZARDS

None.

HEALTH EFFECTS

By the presence of: linalool, citronellol, limonene, geraniol, eugeniol, benzyl benzoate, benzyl cinnamate, and citral; risk of allergic reactions.

ENVIRONMENTAL HAZARDS

Do not throw the product into the environment.

SPECIFIC RISKS

No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

"TONING CREME"

Nature: Preparation containing:

Names	% (w/w)	N° CAS	N°EINECS	Symbols	R-Phrases and S-Phrases	Limiting values
Sucrose laurate	1-5	37266-93-6	246-873-3	Xi - irritant	R41	-
Camphor	0.004-0.008	76-22-2	200-945-0	Xn- harmful	R20, R68/22	Cf. point 8 exposure controls/personal protection
Alpha-pinene	0.004-0.008	80-56-8	201-291-9	Xn- harmful N- dangerous for the environment	R43, R50/53, R65	Cf. point 8 exposure controls/personal protection
Beta-pinene	0.004-0.008	127-91-3	204-872-5	Xn- harmful N- dangerous for the environment	R43, R50/53, R65	Cf. point 8 exposure controls/personal protection
Limonene	0.001-0.003	5989-27-5	227-813-5	Xi- irritant N- dangerous for the environment	R10, R38, R43, R50/53 S2, S24, S37, S60, S61	Cf. point 8 exposure controls/personal protection

4. FIRST AID MEASURES

GENERAL ADVICE

No particular measure is required.

INHALATION

No particular measure is required.

EYE CONTACT

Wash well-open eyes immediately and abundantly with water for at least 15 minutes.

Consult an ophthalmologist.

SKIN CONTACT

In case of skin irritating, wash with water and soap, then well rinse and dry.

If irritation persists, consult a doctor.

INGESTION

Do not induce vomiting, rinse mouths and lips with plenty of water if the subject is conscious.

Seek medical advice immediately and show this container or label.

5. FIRE - FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide (CO_2), dry chemical powder, water with additives.

UNSUITABLE EXTINGUISHING MEDIA

Water jet.

SPECIFIC HAZARDS

In case of fire, product decompose in carbon oxides (CO and CO_2)

SPECIAL EQUIPMENT OF SAFETY

Wear a self-contained breathing apparatus in pressure-demand and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Be careful, floor could be slippery.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains or water courses.

Eliminate waste in accordance with all the national regulations in force.

METHODS FOR CLEANING UP

Collect residues with a shovel and put them in an identified container.

Eliminate in accordance with local regulation.

Wash the contaminated area with plenty of water.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with eyes.

STORAGE

Keep out of the reach of children.

Store in original container.

Protect from all contamination.

These containers should only be used for this product.

Keep hermetically closed packing.

Avoid long exposure to heat and light.

CAUTIONS FOR USE

Do not swallow.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITING VALUES

Ingredients with limiting values to survey:

Alpha-pinene:

Country	Limit value - Eight hours	Limit value - Short term
Belgium	20 ppm	/
Sweden	150 mg/m^3, 25 ppm	300 mg/m^3, 50 ppm

Beta-pinene:

Country	Limit value - Eight hours	Limit value - Short term
Belgium	20 ppm	/
Denmark	140 mg/m^3, 25 ppm	280 mg/m^3, 50 ppm
Sweden	150 mg/m^3, 25 ppm	300 mg/m^3, 50 ppm

Camphor:

Country	Limit value - Eight hours	Limit value - Short term
Germany (DFG)	13 mg/m^3, 2 ppm	26 mg/m^3, 4 ppm
Australia	13 mg/m^3, 2 ppm	/
Belgium	12 mg/m^3, 2 ppm	19 mg/m^3, 3 ppm
Canada - Quebec	12 mg/m^3, 2 ppm	19 mg/m^3, 3 ppm
Denmark	12 mg/m^3, 2 ppm	24 mg/m^3, 4 ppm
Spain	13 mg/m^3, 2 ppm	19 mg/m^3, 3 ppm
France	12 mg/m^3, 2 ppm	/
Poland	12 mg/m^3	18 mg/m^3
The United Kingdom	13 mg/m^3, 2 ppm	19 mg/m^3, 3 ppm
Switzerland	13 mg/m^3, 2 ppm	/
The USA (NIOSH-OSHA)	2 mg/m^3	/

Limonen:

Country	Limit value - Eight hours	Limit value - Short term
Germany (DFG)	110 mg/m^3, 20 ppm	220 mg/m^3, 40 ppm
Switzerland	110 mg/m^3, 20 ppm	220 mg/m^3, 40 ppm

EXPOSURE CONTROL

Professional exposure control

Skin protection	:	In case of long or repeated contact, wear suitable gloves.
Respiratory protection	:	Not necessary for a normal use of the product.
Eye protection	:	If the contact with product is possible, use chemical safety goggles.
Industrial hygiene	:	When using do not eat, drink or smoke. Wash the hands well before/after handling.

Exposure control relative to environment protection:

Do not let penetrate into drains, subsoil waters and surface waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Thick gel, transparency with very slightly hazy
COULOUR	:	Clear caramel
ODOUR	:	Characteristic of essential oil
pH (20°C)	:	6.00 – 7.00
BOILING POINT/RANGE	:	-
MELTING POINT/RANGE	:	-
FLASH POINT	:	-
VAPOUR PRESSURE (20°C)	:	-
DENSITY (20°C)	:	0.942 – 0.982
SOLUBILITY IN WATER	:	-
SOLUBILITY IN OIL	:	-
OTHER DATA	:	Viscosity (20°C, cps) 50 000 – 110 000

10. STABILITY AND REACTIVITY

STABILITY

Stable 48 months in the recommended storage and handling conditions.

CONDITIONS TO AVOID

Avoid long exposure to heat and light.

MATERIALS TO AVOID

No data available.

DANGEROUS DECOMPOSITION PRODUCTS

In case of fire, product decompose in carbon oxides (CO and CO_2)

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation	:	No data available.
Ingestion	:	No data available.
Cutaneous irritation	:	No data available.
Ocular irritation	:	No data available.

SENSITISING

Cutaneous irritation	:	No data available.
CHRONIC TOXICITY	:	No data available.
CYTOTOXICITY	:	No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY : No data available.

MOBILITY : No data available.

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATION POTENTIAL : No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT OR RESIDUE

Do not discharge into sewers or into the environment.

Eliminate in accordance with local regulation.

DIRTY PACKING.

Eliminate in accordance with local regulation.

14. TRANSPORT INFORMATION

This product is not covered by the international regulation on dangerous good transport. (IMDG, ADR, RID and OACI/IATA).

15. REGULATORY INFORMATION

This product is classified cosmetic in agreement with directive 76/768/EC.

16. OTHER INFORMATION

Risk phrases and safety phrases mentioned in the point 3: “Composition / Information on ingredients” are presented hereafter:

R10 : Flammable.

R20 : Harmful by inhalation.

R38	:	Irritating to skin.
R41	:	Risk of serious damage to eyes.
R43	:	May cause sensitisation by skin contact.
R50/53	:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	:	Harmful: may cause lung damage if swallowed.
R68/22	:	Harmful: possible risk of irreversible effects if swallowed.
S2	:	Keep out of the reach of children.
S24	:	Avoid contact with skin.
S37	:	Wear suitable gloves.
S60	:	This material and its container must be disposed of as hazardous waste.
S61	:	Avoid release to the environment. Refer to special instructions/safety data sheets.

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MOROCCANOIL	**Safety Data Sheet**	Version 22.1 Revision Date **07/01/2013**

Moroccanoil –Shimmering Body Oil

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Shimmering Body Oil**

Catalog code BLSO50

Use of the product Personal hair care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 24952
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

2. COMPOSITION / INFORMATION ON INGREDIENTS

Preparation containing:

Names	% (w/w)	CAS N°	N°EINECS	Symbols	R-Phrases	Limiting values
Mica	≤ 0.5	12001-26-2	-	-	-	*Refer to part 8.*
Iso E Super	≤ 0.5	54464-57-2	259-174-3	Xi – Irritant N – Dangerous for the environment	R43, R51/53	-
Galaxolide	≤ 0.5	1222-05-5	214-946-9	N – Dangerous for the environment	R50/53	-

3. HAZARDS IDENTIFICATION

Main Hazard : None in case of normal use of product.

Health effects : By the presence of allergens (linalool, lyral (HMPCC), lilial (BMHCA)), risk of allergic reactions. By the presence of sensitizers (IsoE-Super (OTNE)), risk of allergic reactions.

Environmental Hazards : Do not throw the product into the environment.

Specific Risks : No data available

4. FIRST AID MEASURES

Eye contact	:	Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.
Inhalation	:	Remove to fresh air.
Ingestion	:	Never make an unconscious person vomit or drink fluids! Rinse mouth thoroughly. Seek medical advice and show the label when possible.
Skin Contact	:	Rinse skin with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	:	Carbon dioxide (CO_2), dry chemical powder, water with additives.
UNSUITABLE EXTINGUISHING MEDIA	:	Water jet.
SPECIFIC HAZARDS	**:**	No available data.
SPECIAL EQUIPMENT OF SAFETY	:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : The spilled product produces extremely slippery surface, take precautions.

Environmental precautions : Prevent from spreading or entering into drains, ditches or waterways by using sand, earth or other appropriate barriers.

Clean up methods : Collect residues with a shovel and put them in an identified container. Eliminate in accordance with local regulation.

Wash the contaminated area with plenty of water.

7. HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid eye contact. Avoid all unnecessary exposure.
Keep away from food, drink and animal dishes.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking.

Storage : Keep only in the original containers in a cool, well ventilated dry area and protect from light. Keep containers tightly closed when not in use.

Cautions for use : Do not swallow.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITING VALUES

Ingredients with limiting values to survey:

✓ Mica:

Country	Medium-term value	Short-term value
Australia	2.5 mg/m^3	-
Austria	10 mg/m^3 (inhalable aerosol)	-
Belgium	3 mg/m^3	-
Canada - Ontario	3 mg/m^3 (respirable aerosol)	-
Canada – Québec	3 mg/m^3	-
Denmark	0.3 fibres per cm^3	0.3 fibres per cm^3
New Zealand	3 mg/m^3 (respirable dust)	-
Singapore	3 mg/m^3 (respirable aerosol)	-
Switzerland	3 mg/m^3 (respirable aerosol)	-
USA - NIOSH	3 mg/m^3 (respirable fraction)	-
USA – OSHA	20 mppcf	-
United Kingdom	10 mg/m^3 (inhalable aerosol) 0.8 mg/m^3 (respirable aerosol)	-

EXPOSURE CONTROL

Professional exposure control

Skin protection	:	In case of long or repeated contact, wear suitable gloves.
Respiratory protection	:	Not necessary for a normal use of the product.
Eye protection	:	If the contact with product is possible, use chemical safety goggles.
Industrial hygiene	:	When using do not eat, drink or smoke. Wash the hands well before/after handling.

Exposure control relative to environment protection:

Do not let penetrate into drains, subsoil waters and surface waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color	:	Spangled orange
Odor	:	Characteristic of fragrance
pH value	:	-
Density at 20°C	:	0.931-0.971
Solubility in water	:	-
Solubility in oil	:	-

10. STABILITY AND REACTIVITY

Stability : Stable 48 months in the recommended storage and handling conditions

Materials to avoid : No data available

Conditions to avoid : Avoid long exposure to heat and light.

Hazardous decomposition Products : No data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : No data available.

SKIN CORROSION/IRRITATION : Evaluation of cutaneous compatibility with occlusive patch test method (48 h); Not irritant.

SERIOUS EYE DAMAGE/IRRITATION : Evaluation of ocular irritant potentiel by cytotoxicity study according to neutral red release method on SIRC cell line; Cytotoxicity is insignificant.

RESPIRATORY OR SKIN SENSITISATION : No data available.

SKIN CORROSION/IRRITATION : Evaluation of cutaneous compatibility with occlusive patch test method (48 h); Not irritant.

SERIOUS EYE DAMAGE/IRRITATION : Evaluation of ocular irritant potentiel by cytotoxicity study according to neutral red release method on SIRC cell line; Cytotoxicity is insignificant.

RESPIRATORY OR SKIN : No data available.

GERM CELL MUTAGENICITY : No data available.

CARCINOGENICITY : No data available.

REPRODUCTIVE TOXICITY : No data available.

STOT (SPECIFIC TARGET ORGAN TOXICITY) –SINGLE EXPOSURE	:	No data available.
STOT (SPECIFIC TARGET ORGAN TOXICITY) -REPEATED EXPOSURE	:	No data available.
ASPIRATION HAZARD	:	No data available.

12. ECOLOGICAL INFORMATION

Environmental fate and distribution : Specific data regarding the finished product is not available. Complete information regarding the product ingredients is not yet available.

Environmental effects : No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

Fate and effects in waste water Treatment plants : No data is available regarding the finished product. Complete information regarding the product ingredients is not yet available.

13. DISPOSAL CONSIDERATIONS

Avoid releasing into the environment.
Dispose of waste and residues in a safe manner, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. Regulatory information

This product is classified cosmetic in agreement with directive 76/768/EC.

16. OTHER INFORMATION

Risk phrases and safety phrases mentioned in the point 3: "Composition/Information on ingredients" are presented hereafter:

R43	:	May cause sensitisation by skin contact.
R50/53	:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information : None.

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MOROCCANOIL	**Safety Data Sheet**	Version 21.1 Revision Date **07/01/2013**

Moroccanoil –Shower Gel

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY / UNDERTAKING

Product name **Moroccanoil – Shower Gel**

Catalog code BLSG75, BLSG200, BLBBSG5000

Use of the product Personal body care product

Company

Office : Moroccanoil Israel Ltd.
16 Moshe Levi. St. Kennedy House, Industrial Area,
Rishon Lezion, 75658
Israel

Telephone : +972-3-9511086/7
Fax +972-3-9416232

Plant : Koren Industrial Park
P.O.B 17
Maalot Tarshiha, 24952
Israel

Telephone : +972-4-9576113/4
Fax : +972-4-9576115

Emergency telephone : In case of medical emergencies, please contact your local poisons Control center.

Europe: +41 44 251 51 51
USA : 1 800 222 1222
Israel : +972 4 854 1900

24 Hr. EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300 (within the USA)

2. HAZARD INGREDIENTS INFORMATION

Components INCI name	CAS No.	EC No.	%No
N/A			

3. HAZARDS IDENTIFICATION

I. EMERGENCY OVERVIEW:

TYPE OF HAZARD: Not applicable.

APPEARANCE: Clear Semi Viscous Liquid

II. POTENTIAL HEALTH EFFECTS:

INHALATION: Not applicable.

SKIN CONTACT: May be irritating to extra-sensitive skin.

EYE CONTACT: May cause mechanical irritation.

INGESTION: Harmful if swallowed. May cause gastrointestinal irritation.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Chronic effects and medical conditions aggravated by overexposure to this product have been not established.

Unnecessary exposure to this product or any chemical should be avoided.

4. FIRST AID MEASURES

Eye contact : Make sure to remove contact lenses from the eyes before rinsing. Flush eyes immediately with plenty of water while occasionally lifting and lowering eyelids, for at least 15 minutes. Seek medical attention from a specialist if irritation persists.

Inhalation : Not applicable.

Ingestion : Never make an unconscious person vomit or drink fluids!
Drink 3-4 glasses of water.
Seek medical advice and show the label when possible.

Skin Contact : If irritation is experienced, wash exposed area thoroughly with water. Consult a physician if irritation persists.

5. FIRE-FIGHTING MEASURES

Flash Point : Not applicable

Flammability Classification : Not flammable.

Extinguishing media : On large fires use dry chemical, foam or water fog, sand/earth. On small fires use carbon dioxide (CO_2) dry chemical or water spray. Water can be used to cool fire exposed containers.

Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan.

Unusual Fire and Explosion Hazards : Not applicable

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Caution! Floor may become slippery. Absorb spilled material with inert material such as sawdust, sand or earth

Disposal methods : Sweep up and dispose of in accordance with Federal, State and local regulations

7. HANDLING AND STORAGE

Handling Precautions : Use as directed.

Storage Precautions : Protect containers against physical damage. Keep closed until used. Store in a dry place at ambient temperatures. Keep out of reach of children.

Other Precautions : Static electricity will accumulate and may ignite vapors.
Prevent a possible fire hazard by taking precautionary measures against static discharges.
Keep container closed and away from heat, sparks and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL : Not required

RESPIRATION PROTECTION : Not applicable.

PROTECTIVE GLOVES : Not required.

EYE AND FACE PROTECTION : Not required.

HYGIENIC WORK PRACTICES : No special practices noted. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear semi viscous liquid
Odor	:	Floral
pH (range)	:	5.00-6.00
Viscosity (range)	:	1500 - 2500 cps
Solubility in water	:	Miscible
Specific gravity	:	1.04
Boiling Range	:	Not determined
Vapor Density	:	Heavier than air
Evaporation Rate	:	Slower than ether

10. STABILITY AND REACTIVITY

Stability : Stable under normal temperature conditions and recommended use.

Materials to avoid : Strong acids and oxidizing agents.

Hazardous decomposition Product : May produce toxic fumes of oxides of carbon, sulfur and nitrogen; ammonia.

Conditions to avoid : Extreme temperatures

11. TOXICOLOGICAL INFORMATION

Toxicological tests : No data is available regarding the finished product.

Potential Health effects : Please refer to section 3.

12. ECOLOGICAL INFORMATION

Avoid uncontrolled release of this material

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD : Collect and dispose of in accordance with Federal, State and local laws and regulations. This product is not classified as an equitable hazardous waste.

14. TRANSPORT INFORMATION

General information

The product is not classified as dangerous goods for transport, according to the international regulation of the transport of dangerous goods (ADR/RID, IMDG and IATA-DGR)

Transportation by road or railway according to ADR and RID

Remarks : Not classified as dangerous goods according to ADR.

Transportation by vessels according to IMDG

Remarks : Not classified as dangerous goods according to IMDG.

Transportation by airplane according to IATA-DRG

Remarks : Not classified as dangerous goods according to IATA-DGR.

15. REGULATORY INFORMATION

TSCA : Not applicable.

SARA, Title III, Section 313 (40CFR 372) : Not applicable.

California Proposition 65 : Not applicable

16. OTHER INFORMATION

Further information : None.

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PF022887_IT21
CI022177_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022887_IT21
CI022177_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-(2,4-diaminophenoxy)ethanol dihydrochloride, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

35,16 % (oral), 39,23 % (dermal), 37,4 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2288 Pa
Vapour pressure at 50 ºC:	12057 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	3541,11 mg/kg (Calculation method)	35,16 %
Dermal	38613,23 mg/kg (Calculation method)	39,23 %
Inhalation	81,47 mg/L (4 h) (Calculation method)	37,4 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022888_IT21
CI022178_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022888_IT21
CI022178_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,36 % (oral), 38,44 % (dermal), 36,6 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12065,85 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5255,32 mg/kg (Calculation method)	34,36 %
Dermal	55417,04 mg/kg (Calculation method)	38,44 %
Inhalation	87,8 mg/L (4 h) (Calculation method)	36,6 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022889_IT21
CI022179_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022889_IT21
CI022179_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,07 % (oral), 38,15 % (dermal), 36,31 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12069,06 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6634,94 mg/kg (Calculation method)	34,07 %
Dermal	67132,38 mg/kg (Calculation method)	38,15 %
Inhalation	90,58 mg/L (4 h) (Calculation method)	36,31 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022890_IT21
CI022180_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022890_IT21
CI022180_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,8 % (oral), 36,04 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12071,9 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6992,01 mg/kg (Calculation method)	33,8 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,68 mg/L (4 h) (Calculation method)	36,04 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022891_IT21
CI022181_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.0

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022891_IT21
CI022181_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,97 % (oral), 35,43 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,43 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13409,04 mg/kg (Calculation method)	31,97 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	105,68 mg/L (4 h) (Calculation method)	35,43 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022892_IT21
CI022182_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022892_IT21
CI022182_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,97 % (oral), 35,21 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12079,81 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	21637,75 mg/kg (Calculation method)	32,97 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,03 mg/L (4 h) (Calculation method)	35,21 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022893_IT21
CI022183_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.0

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022893_IT21
CI022183_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.0

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,93 % (oral), 35,17 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12080,4 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	25581,57 mg/kg (Calculation method)	32,93 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,11 mg/L (4 h) (Calculation method)	35,17 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022894_IT21
CI022184_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.00

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022894_IT21
CI022184_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.00

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-(2,4-diaminophenoxy)ethanol dihydrochloride, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

35,39 % (oral), 39,46 % (dermal), 37,63 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2288 Pa
Vapour pressure at 50 ºC:	12055,07 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	3393,31 mg/kg (Calculation method)	35,39 %
Dermal	37009,06 mg/kg (Calculation method)	39,46 %
Inhalation	80,52 mg/L (4 h) (Calculation method)	37,63 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022895_IT21
CI022185_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.00

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022895_IT21
CI022185_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.00

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,39 % (oral), 38,47 % (dermal), 36,63 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12065,56 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5408,51 mg/kg (Calculation method)	34,39 %
Dermal	54705,71 mg/kg (Calculation method)	38,47 %
Inhalation	87,58 mg/L (4 h) (Calculation method)	36,63 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022896_IT21
CI022186_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.00

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022896_IT21
CI022186_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.00

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

35,2 % (oral), 39,27 % (dermal), 37,44 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2289 Pa
Vapour pressure at 50 ºC:	12062,41 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6037,92 mg/kg (Calculation method)	35,2 %
Dermal	61021,79 mg/kg (Calculation method)	39,27 %
Inhalation	88,05 mg/L (4 h) (Calculation method)	37,44 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022897_IT21
CI022187_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.00

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022897_IT21
CI022187_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.00

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,84 % (oral), 36,08 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12071,34 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6761,18 mg/kg (Calculation method)	33,84 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,61 mg/L (4 h) (Calculation method)	36,08 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022898_IT21
CI022188_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.00

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022898_IT21
CI022188_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.00

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,2 % (oral), 35,44 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,31 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13593,42 mg/kg (Calculation method)	33,2 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	105,66 mg/L (4 h) (Calculation method)	35,44 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022899_IT21
CI022189_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022899_IT21
CI022189_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Beauty&Business S.p.A
Via Ciserano, snc.
24046 Osio Sotto (BG) - Italy
Phone: +390354197798 (office hours) - Fax: +390354197734
schede.sicurezza@alfaparfmilano.com
http://www.alfaparfmilano.com

1.4 Emergency telephone number: +390354197798

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

- CONTINUED ON NEXT PAGE -

PF022899_IT21
CI022189_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR
4.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 2: HAZARDS IDENTIFICATION (continued)

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,29 % (oral), 38,36 % (dermal), 36,53 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12066,73 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5723,53 mg/kg (Calculation method)	34,29 %
Dermal	57898,23 mg/kg (Calculation method)	38,36 %
Inhalation	88,47 mg/L (4 h) (Calculation method)	36,53 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022900_IT21
CI022190_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022900_IT21
CI022190_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

35,29 % (oral), 39,36 % (dermal), 37,53 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2289 Pa
Vapour pressure at 50 ºC:	12061,34 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5636,17 mg/kg (Calculation method)	35,29 %
Dermal	56956,11 mg/kg (Calculation method)	39,36 %
Inhalation	87,07 mg/L (4 h) (Calculation method)	37,53 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022901_IT21
CI022191_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022901_IT21
CI022191_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,74 % (oral), 36,98 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12067,51 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8623,57 mg/kg (Calculation method)	34,74 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	103,14 mg/L (4 h) (Calculation method)	36,98 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022902_IT21
CI022192_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022902_IT21
CI022192_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,65 % (oral), 35,89 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12073,53 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8096,68 mg/kg (Calculation method)	33,65 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,93 mg/L (4 h) (Calculation method)	35,89 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022903_IT21
CI022193_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022903_IT21
CI022193_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,18 % (oral), 36,42 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12073,07 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13972,05 mg/kg (Calculation method)	34,18 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,07 mg/L (4 h) (Calculation method)	36,42 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

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SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022904_IT21
CI022194_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022904_IT21
CI022194_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33 % (oral), 35,24 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12079,87 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	20324,55 mg/kg (Calculation method)	33 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	105,98 mg/L (4 h) (Calculation method)	35,24 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022905_IT21
CI022195_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.3

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022905_IT21
CI022195_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,85 % (oral), 34,09 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,24 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	34400,31 mg/kg (Calculation method)	31,85 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,88 mg/L (4 h) (Calculation method)	34,09 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022906_IT21
CI022502_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.34

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022906_IT21
CI022502_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.34

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

32,63 % (oral), 34,87 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12074,52 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9640,44 mg/kg (Calculation method)	32,63 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,6 mg/L (4 h) (Calculation method)	34,87 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022907_IT21
CI022503_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.34

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022907_IT21
CI022503_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.34

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

33,89 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:	
Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12080,91 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,2 mg/L (4 h) (Calculation method)	33,89 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022908_IT21
CI022504_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.34

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022908_IT21
CI022504_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.34

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

31,65 % (oral), 33,89 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12085,03 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	103260,68 mg/kg (Calculation method)	31,65 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,2 mg/L (4 h) (Calculation method)	33,89 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 14: TRANSPORT INFORMATION (continued)

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022909_IT21
CI022196_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.4

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022909_IT21
CI022196_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,6 % (oral), 37,68 % (dermal), 35,85 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2289 Pa
Vapour pressure at 50 ºC:	12061,49 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4227,3 mg/kg (Calculation method)	33,6 %
Dermal	47744,66 mg/kg (Calculation method)	37,68 %
Inhalation	86,52 mg/L (4 h) (Calculation method)	35,85 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification		Concentration	Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022910_IT21
CI022197_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.4

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022910_IT21
CI022197_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,6 % (oral), 34,84 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12069,62 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7840,87 mg/kg (Calculation method)	32,6 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,65 mg/L (4 h) (Calculation method)	34,84 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022911_IT21
CI022199_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.4

Printing: 08/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022911_IT21
CI022199_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,23 % (oral), 34,47 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12075,72 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	12698,68 mg/kg (Calculation method)	32,23 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,25 mg/L (4 h) (Calculation method)	34,47 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

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SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022912_IT21
CI022201_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.4

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022912_IT21
CI022201_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32 % (oral), 34,24 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12080,83 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	27244,25 mg/kg (Calculation method)	32 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,62 mg/L (4 h) (Calculation method)	34,24 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022913_IT21
CI022203_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.4

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022913_IT21
CI022203_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate, 2-methylresorcinol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

31,77 % (oral), 34,01 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12082 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	87012,88 mg/kg (Calculation method)	31,77 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108 mg/L (4 h) (Calculation method)	34,01 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022914_IT21
CI022200_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.43

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022914_IT21
CI022200_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.43

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,06 % (oral), 34,3 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12078,46 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	22683,02 mg/kg (Calculation method)	32,06 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,53 mg/L (4 h) (Calculation method)	34,3 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022915_IT21
CI022204_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.43

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022915_IT21
CI022204_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.43

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34,91 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12075,71 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,53 mg/L (4 h) (Calculation method)	34,91 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022916_IT21
CI022198_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.46

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022916_IT21
CI022198_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.46

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,96 % (oral), 35,2 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12070,81 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5949,76 mg/kg (Calculation method)	32,96 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,05 mg/L (4 h) (Calculation method)	35,2 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022917_IT21
CI022202_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.46

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022917_IT21
CI022202_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.46

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

31,99 % (oral), 34,23 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,55 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	15521,89 mg/kg (Calculation method)	31,99 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,65 mg/L (4 h) (Calculation method)	34,23 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022918_IT21
CI022205_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.6

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022918_IT21
CI022205_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,1 % (oral), 37,17 % (dermal), 35,34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 344 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12068,32 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6412,33 mg/kg (Calculation method)	33,1 %
Dermal	64942,09 mg/kg (Calculation method)	37,17 %
Inhalation	91,36 mg/L (4 h) (Calculation method)	35,34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022919_IT21
CI022208_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.6

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022919_IT21
CI022208_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,83 % (oral), 35,07 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 344 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12070,71 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7915,8 mg/kg (Calculation method)	32,83 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,28 mg/L (4 h) (Calculation method)	35,07 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022920_IT21
CI022209_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.6

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022920_IT21
CI022209_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

5-amino-o-cresol (CAS: 2835-95-2); 2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,44 % (oral), 34,68 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 344 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12073,73 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	11871,35 mg/kg (Calculation method)	32,44 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,9 mg/L (4 h) (Calculation method)	34,68 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022921_IT21
CI022211_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.6

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022921_IT21
CI022211_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

5-amino-o-cresol (CAS: 2835-95-2); 2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,12 % (oral), 34,36 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 344 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,43 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	19996,45 mg/kg (Calculation method)	32,12 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,42 mg/L (4 h) (Calculation method)	34,36 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022922_IT21
CI022206_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.64

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022922_IT21
CI022206_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.64

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

33,3 % (oral), 37,37 % (dermal), 35,54 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 344 ºC
Vapour pressure at 20 ºC:	2289 Pa
Vapour pressure at 50 ºC:	12060,51 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4633,47 mg/kg (Calculation method)	33,3 %
Dermal	56753,32 mg/kg (Calculation method)	37,37 %
Inhalation	89,36 mg/L (4 h) (Calculation method)	35,54 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022923_IT21
CI022207_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.65

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022923_IT21
CI022207_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.65

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,76 % (oral), 35,01 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12075,02 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8861,24 mg/kg (Calculation method)	32,76 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,38 mg/L (4 h) (Calculation method)	35,01 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022924_IT21
CI022210_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.65

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022924_IT21
CI022210_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.65

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,46 % (oral), 34,7 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,72 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	12481,8 mg/kg (Calculation method)	32,46 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,88 mg/L (4 h) (Calculation method)	34,7 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022925_IT21
CI022212_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.5

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022925_IT21
CI022212_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.5

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,92 % (oral), 35,16 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12073,19 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8399,05 mg/kg (Calculation method)	32,92 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,13 mg/L (4 h) (Calculation method)	35,16 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022926_IT21
CI022213_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.5

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022926_IT21
CI022213_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.5

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,54 % (oral), 34,78 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12077,1 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	12513,89 mg/kg (Calculation method)	32,54 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,75 mg/L (4 h) (Calculation method)	34,78 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022927_IT21
CI022235_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.8

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022927_IT21
CI022235_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.8

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,45 % (oral), 34,69 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12083,26 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	35057,82 mg/kg (Calculation method)	32,45 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,89 mg/L (4 h) (Calculation method)	34,69 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022928_IT21
CI022236_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.8

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022928_IT21
CI022236_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.8

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,91 % (oral), 34,15 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,09 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	44001,52 mg/kg (Calculation method)	31,91 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,77 mg/L (4 h) (Calculation method)	34,15 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022929_IT21
CI022237_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.8

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022929_IT21
CI022237_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.8

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,8 % (oral), 34,04 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[2]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,94 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	68106,24 mg/kg (Calculation method)	31,8 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,95 mg/L (4 h) (Calculation method)	34,04 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022930_IT21
CI022238_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.8

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022930_IT21
CI022238_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.8

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12087,31 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,02 mg/L (4 h) (Calculation method)	34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022931_IT21
CI022233_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.7

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022931_IT21
CI022233_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.7

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Beauty&Business S.p.A
Via Ciserano, snc.
24046 Osio Sotto (BG) - Italy
Phone: +390354197798 (office hours) - Fax: +390354197734
schede.sicurezza@alfaparfmilano.com
http://www.alfaparfmilano.com

1.4 Emergency telephone number: +390354197798

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,47 % (oral), 38,54 % (dermal), 36,71 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12064,79 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5209,28 mg/kg (Calculation method)	34,47 %
Dermal	52686,46 mg/kg (Calculation method)	38,54 %
Inhalation	86,98 mg/L (4 h) (Calculation method)	36,71 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022932_IT21
CI022234_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.7

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022932_IT21
CI022234_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.7

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,01 % (oral), 35,25 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12074,81 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7018,9 mg/kg (Calculation method)	33,01 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	105,97 mg/L (4 h) (Calculation method)	35,25 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022934_IT21
CI022221_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022934_IT21
CI022221_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

35,37 % (oral), 39,44 % (dermal), 37,61 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2289 Pa
Vapour pressure at 50 ºC:	12060,79 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5644,24 mg/kg (Calculation method)	35,37 %
Dermal	57033,15 mg/kg (Calculation method)	39,44 %
Inhalation	87 mg/L (4 h) (Calculation method)	37,61 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022935_IT21
CI022223_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022935_IT21
CI022223_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,73 % (oral), 36,97 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12067,92 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9221,72 mg/kg (Calculation method)	34,73 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	103,17 mg/L (4 h) (Calculation method)	36,97 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022936_IT21
CI022226_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022936_IT21
CI022226_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

33,99 % (oral), 36,23 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12075,06 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	32893,62 mg/kg (Calculation method)	33,99 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,37 mg/L (4 h) (Calculation method)	36,23 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022937_IT21
CI022228_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022937_IT21
CI022228_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

33,85 % (oral), 36,09 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12076,74 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	60034,18 mg/kg (Calculation method)	33,85 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,59 mg/L (4 h) (Calculation method)	36,09 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022938_IT21
CI022230_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022938_IT21
CI022230_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12087,27 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,03 mg/L (4 h) (Calculation method)	34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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PF022938_IT21
CI022230_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.1

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022939_IT21
CI022224_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.12

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022939_IT21
CI022224_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.12

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

33,71 % (oral), 35,95 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12073,18 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9352,38 mg/kg (Calculation method)	33,71 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,83 mg/L (4 h) (Calculation method)	35,95 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022940_IT21
CI022227_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.12

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022940_IT21
CI022227_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.12

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,97 % (oral), 35,21 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(2)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12080,1 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	32910,05 mg/kg (Calculation method)	32,97 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,03 mg/L (4 h) (Calculation method)	35,21 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022941_IT21
CI022231_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.12

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022941_IT21
CI022231_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.12

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

33,98 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12087,56 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,05 mg/L (4 h) (Calculation method)	33,98 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022942_IT21
CI022222_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.13

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022942_IT21
CI022222_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,06 % (oral), 36,3 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2291 Pa
Vapour pressure at 50 ºC:	12069,37 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6880,21 mg/kg (Calculation method)	34,06 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	104,26 mg/L (4 h) (Calculation method)	36,3 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022943_IT21
CI022225_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.13

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022943_IT21
CI022225_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 7.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

33,37 % (oral), 35,61 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12076,38 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	14020,69 mg/kg (Calculation method)	33,37 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	105,38 mg/L (4 h) (Calculation method)	35,61 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022944_IT21
CI022229_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.13

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022944_IT21
CI022229_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,82 % (oral), 34,06 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,51 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	62085,16 mg/kg (Calculation method)	31,82 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,92 mg/L (4 h) (Calculation method)	34,06 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022945_IT21
CI022232_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.13

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022945_IT21
CI022232_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

PF022945_IT21
CI022232_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.13

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12087,25 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,03 mg/L (4 h) (Calculation method)	34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022946_IT21
CI022214_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.2

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022946_IT21
CI022214_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,2 % (oral), 38,27 % (dermal), 36,44 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12067,62 Pa (12,07 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5992,04 mg/kg (Calculation method)	34,2 %
Dermal	60620 mg/kg (Calculation method)	38,27 %
Inhalation	89,17 mg/L (4 h) (Calculation method)	36,44 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022947_IT21
CI022215_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.2

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022947_IT21
CI022215_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,46 % (oral), 34,7 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol CAS: 108-46-3 EC: 203-585-2	IOELV (8h)	10 ppm	45 mg/m³
	IOELV (STEL)		
ammonia, anhydrous CAS: 7664-41-7 EC: 231-635-3	IOELV (8h)	20 ppm	14 mg/m³
	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12080,39 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	11564,36 mg/kg (Calculation method)	32,46 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,87 mg/L (4 h) (Calculation method)	34,7 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022948_IT21
CI022217_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.2

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022948_IT21
CI022217_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,99 % (oral), 34,04 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(2)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,02 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	60058,5 mg/kg (Calculation method)	31,99 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	98,14 mg/L (4 h) (Calculation method)	34,04 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022949_IT21
CI022219_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.2

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022949_IT21
CI022219_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[2]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12086,55 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	98,21 mg/L (4 h) (Calculation method)	34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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PF022949_IT21
CI022219_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 10.2

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022950_IT21
CI022218_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.21

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022950_IT21
CI022218_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 9.21

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,82 % (oral), 35,06 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(2)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12082,16 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	66264,81 mg/kg (Calculation method)	32,82 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,28 mg/L (4 h) (Calculation method)	35,06 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022951_IT21
CI022216_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.24

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022951_IT21
CI022216_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.24

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate, 5-amino-o-cresol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

33,98 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

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PF022951_IT21
CI022216_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 8.24

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(2)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2294 Pa
Vapour pressure at 50 ºC:	12087,45 Pa (12,09 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,05 mg/L (4 h) (Calculation method)	33,98 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022952_IT21
CI022239_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR CLEAR

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022952_IT21
CI022239_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR CLEAR

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34,91 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

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SECTION 7: HANDLING AND STORAGE (continued)

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable

DNEL (General population):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 300 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12083,69 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	259 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	106,53 mg/L (4 h) (Calculation method)	34,91 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H331 - Toxic if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022953_IT21
CI022240_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR NEUTRAL HL.0-N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022953_IT21
CI022240_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR NEUTRAL HL.0-N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Substances that contribute to the classification

ammonia, anhydrous (CAS: 7664-41-7)

Acute Toxicity Estimate (ATE mix):

28,11 % (oral), 44,33 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 36653-82-4 EC: 253-149-0 Index: Non-applicable REACH: 01-2119485905-24-XXXX	**Hexadecan-1-ol**(1)	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Skin Irrit. 2: H315 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger 	
CAS: 2235-54-3 EC: 218-793-9 Index: Non-applicable REACH: Non-applicable	**Ammonium dodecyl sulphate**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	110 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	389 mg/m³	200 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	96 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³

PNEC:

Identification				
Hexadecan-1-ol	STP	Non-applicable	Fresh water	Non-applicable
CAS: 36653-82-4	Soil	5,8 mg/kg	Marine water	Non-applicable
EC: 253-149-0	Intermittent	Non-applicable	Sediment (Fresh water)	30 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 418 ºC
Vapour pressure at 20 ºC:	2258 Pa
Vapour pressure at 50 ºC:	11898,17 Pa (11,9 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10,2 - 11,2
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	255 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Hexadecan-1-ol	LD50 oral	5000 mg/kg	Rat
CAS: 36653-82-4	LD50 dermal	Non-applicable	
EC: 253-149-0	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Ammonium dodecyl sulphate	LD50 oral	500 mg/kg (ATEi)	
CAS: 2235-54-3	LD50 dermal	Non-applicable	
EC: 218-793-9	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9167,89 mg/kg (Calculation method)	28,11 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	34,17 mg/L (4 h) (Calculation method)	44,33 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Hexadecan-1-ol	Koc	Non-applicable	Henry	Non-applicable
CAS: 36653-82-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 253-149-0	Surface tension	1,197E-2 N/m (268,53 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzoic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

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SECTION 15: REGULATORY INFORMATION (continued)

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022954_IT21
CI022241_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR ASH HL.1-B

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022954_IT21
CI022241_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR ASH HL.1-B

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

Substances that contribute to the classification

ammonia, anhydrous (CAS: 7664-41-7)

Acute Toxicity Estimate (ATE mix):

28,16 % (oral), 44,38 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 36653-82-4 EC: 253-149-0 Index: Non-applicable REACH: 01-2119485905-24-XXXX	**Hexadecan-1-ol**[1]	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Skin Irrit. 2: H315 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 2235-54-3 EC: 218-793-9 Index: Non-applicable REACH: Non-applicable	**Ammonium dodecyl sulphate**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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SECTION 4: FIRST AID MEASURES (continued)

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	110 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	389 mg/m³	200 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	96 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

PNEC:

Identification				
Hexadecan-1-ol	STP	Non-applicable	Fresh water	Non-applicable
CAS: 36653-82-4	Soil	5,8 mg/kg	Marine water	Non-applicable
EC: 253-149-0	Intermittent	Non-applicable	Sediment (Fresh water)	30 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 418 ºC
Vapour pressure at 20 ºC:	2258 Pa
Vapour pressure at 50 ºC:	11897,5 Pa (11,9 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10,2 - 11,2
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	255 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Hexadecan-1-ol	LD50 oral	5000 mg/kg	Rat
CAS: 36653-82-4	LD50 dermal	Non-applicable	
EC: 253-149-0	LC50 inhalation	Non-applicable	
Ammonium dodecyl sulphate	LD50 oral	500 mg/kg (ATEi)	
CAS: 2235-54-3	LD50 dermal	Non-applicable	
EC: 218-793-9	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9161,98 mg/kg (Calculation method)	28,16 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	34,14 mg/L (4 h) (Calculation method)	44,38 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Hexadecan-1-ol	Koc	Non-applicable	Henry	Non-applicable
CAS: 36653-82-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 253-149-0	Surface tension	1,197E-2 N/m (268,53 °C)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzoic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022955_IT21
CI022242_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR VIOLET HL.2-V

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022955_IT21
CI022242_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR VIOLET HL.2-V

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 5-amino-o-cresol.

Substances that contribute to the classification

ammonia, anhydrous (CAS: 7664-41-7); 2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

28,17 % (oral), 44,39 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 36653-82-4 EC: 253-149-0 Index: Non-applicable REACH: 01-2119485905-24-XXXX	**Hexadecan-1-ol**[1]	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Skin Irrit. 2: H315 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 2235-54-3 EC: 218-793-9 Index: Non-applicable REACH: Non-applicable	**Ammonium dodecyl sulphate**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	110 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	389 mg/m³	200 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	96 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Hexadecan-1-ol	STP	Non-applicable	Fresh water	Non-applicable
CAS: 36653-82-4	Soil	5,8 mg/kg	Marine water	Non-applicable
EC: 253-149-0	Intermittent	Non-applicable	Sediment (Fresh water)	30 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 418 ºC
Vapour pressure at 20 ºC:	2258 Pa

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Vapour pressure at 50 ºC:	11896,99 Pa (11,9 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10,2 - 11,2
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	255 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
Hexadecan-1-ol	LD50 oral	5000 mg/kg	Rat
CAS: 36653-82-4	LD50 dermal	Non-applicable	
EC: 253-149-0	LC50 inhalation	Non-applicable	
Ammonium dodecyl sulphate	LD50 oral	500 mg/kg (ATEi)	
CAS: 2235-54-3	LD50 dermal	Non-applicable	
EC: 218-793-9	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7945,98 mg/kg (Calculation method)	28,17 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	34,13 mg/L (4 h) (Calculation method)	44,39 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Hexadecan-1-ol	Koc	Non-applicable	Henry	Non-applicable
CAS: 36653-82-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 253-149-0	Surface tension	1,197E-2 N/m (268,53 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzoic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022956_IT21
CI022243_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR GOLD HL.3-G

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022956_IT21
CI022243_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR GOLD HL.3-G

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol. May produce an allergic reaction.

Substances that contribute to the classification

ammonia, anhydrous (CAS: 7664-41-7)

Acute Toxicity Estimate (ATE mix):

28,01 % (oral), 44,23 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 36653-82-4 EC: 253-149-0 Index: Non-applicable REACH: 01-2119485905-24-XXXX	**Hexadecan-1-ol**[1]	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Skin Irrit. 2: H315 - Warning 	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 2235-54-3 EC: 218-793-9 Index: Non-applicable REACH: Non-applicable	**Ammonium dodecyl sulphate**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	110 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	389 mg/m³	200 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	96 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³

PNEC:

Identification				
Hexadecan-1-ol	STP	Non-applicable	Fresh water	Non-applicable
CAS: 36653-82-4	Soil	5,8 mg/kg	Marine water	Non-applicable
EC: 253-149-0	Intermittent	Non-applicable	Sediment (Fresh water)	30 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 418 ºC
Vapour pressure at 20 ºC:	2258 Pa
Vapour pressure at 50 ºC:	11900,11 Pa (11,9 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10,2 - 11,2
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	255 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Hexadecan-1-ol	LD50 oral	5000 mg/kg	Rat
CAS: 36653-82-4	LD50 dermal	Non-applicable	
EC: 253-149-0	LC50 inhalation	Non-applicable	
Ammonium dodecyl sulphate	LD50 oral	500 mg/kg (ATEi)	
CAS: 2235-54-3	LD50 dermal	Non-applicable	
EC: 218-793-9	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9181,46 mg/kg (Calculation method)	28,01 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	34,23 mg/L (4 h) (Calculation method)	44,23 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Hexadecan-1-ol	Koc	Non-applicable	Henry	Non-applicable
CAS: 36653-82-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 253-149-0	Surface tension	1,197E-2 N/m (268,53 ºC)	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzoic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022957_IT21
CI022244_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR HL.8-GY

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022957_IT21
CI022244_IT21
MOROCCANOIL COLOR RHAPSODY HIGHLIFT PERMANENT CREAM COLOR HL.8-GY

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol.

Substances that contribute to the classification

ammonia, anhydrous (CAS: 7664-41-7); 2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

28,16 % (oral), 44,38 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 36653-82-4 EC: 253-149-0 Index: Non-applicable REACH: 01-2119485905-24-XXXX	**Hexadecan-1-ol**(1)	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Skin Irrit. 2: H315 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**(1)	ATP CLP00	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 2235-54-3 EC: 218-793-9 Index: Non-applicable REACH: Non-applicable	**Ammonium dodecyl sulphate**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(2)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	110 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	389 mg/m³	200 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Hexadecan-1-ol	Oral	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
CAS: 36653-82-4	Dermal	Non-applicable	Non-applicable	55 mg/kg	Non-applicable
EC: 253-149-0	Inhalation	Non-applicable	Non-applicable	96 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
Hexadecan-1-ol	STP	Non-applicable	Fresh water	Non-applicable
CAS: 36653-82-4	Soil	5,8 mg/kg	Marine water	Non-applicable
EC: 253-149-0	Intermittent	Non-applicable	Sediment (Fresh water)	30 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	3 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Butyl, Breakthrough time: > 480 min, Thickness: 0.35 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 418 ºC
Vapour pressure at 20 ºC:	2258 Pa
Vapour pressure at 50 ºC:	11897,3 Pa (11,9 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10,2 - 11,2
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	255 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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SECTION 10: STABILITY AND REACTIVITY (continued)

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
Hexadecan-1-ol	LD50 oral	5000 mg/kg	Rat
CAS: 36653-82-4	LD50 dermal	Non-applicable	
EC: 253-149-0	LC50 inhalation	Non-applicable	
Ammonium dodecyl sulphate	LD50 oral	500 mg/kg (ATEi)	
CAS: 2235-54-3	LD50 dermal	Non-applicable	
EC: 218-793-9	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8124,51 mg/kg (Calculation method)	28,16 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	34,14 mg/L (4 h) (Calculation method)	44,38 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Hexadecan-1-ol	Koc	Non-applicable	Henry	Non-applicable
CAS: 36653-82-4	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 253-149-0	Surface tension	1,197E-2 N/m (268,53 ºC)	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP6 Acute Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains benzoic acid.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Dam. 1: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022959_IT21
CI022416_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 3N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022959_IT21
CI022416_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 3N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0); 9-Octadecen-1-ol, (Z)-, phosphate (CAS: 37310-83-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral), 35,25 % (dermal), 35,25 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12254,66 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1016 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	2646,6 mg/kg (Calculation method)	34,1 %
Dermal	31851,81 mg/kg (Calculation method)	35,25 %
Inhalation	318,52 mg/L (4 h) (Calculation method)	35,25 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Dam. 1: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022960_IT21
CI022417_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022960_IT21
CI022417_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral), 34,1 % (dermal), 34,1 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12256,49 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1012,8 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	5014,94 mg/kg (Calculation method)	34,1 %
Dermal	54082,65 mg/kg (Calculation method)	34,1 %
Inhalation	540,83 mg/L (4 h) (Calculation method)	34,1 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Eye Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022961_IT21
CI022418_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022961_IT21
CI022418_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral), 34,1 % (dermal), 34,1 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12257,88 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1011,1 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6090,88 mg/kg (Calculation method)	34,1 %
Dermal	65685,92 mg/kg (Calculation method)	34,1 %
Inhalation	656,86 mg/L (4 h) (Calculation method)	34,1 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Eye Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022962_IT21
CI022419_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022962_IT21
CI022419_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12258,21 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1010,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7308,74 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022963_IT21
CI022420_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022963_IT21
CI022420_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,79 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1007,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	15382,98 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022964_IT21
CI022421_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022964_IT21
CI022421_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,1 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,7 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	27792,85 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022965_IT21
CI022422_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022965_IT21
CI022422_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

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SECTION 4: FIRST AID MEASURES (continued)

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

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SECTION 7: HANDLING AND STORAGE (continued)

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,63 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1005,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022966_IT21
CI022423_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10N

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022966_IT21
CI022423_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10N

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 2-methyl-p-phenylenediamine sulfate. May produce an allergic reaction.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,58 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1004,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method

Advice related to training:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022967_IT21
CI022424_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.3

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022967_IT21
CI022424_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral), 34,1 % (dermal), 35,21 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12254,79 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1014,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	3132,52 mg/kg (Calculation method)	34,1 %
Dermal	41961,75 mg/kg (Calculation method)	34,1 %
Inhalation	412,53 mg/L (4 h) (Calculation method)	35,21 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022968_IT21
CI022425_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.3

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022968_IT21
CI022425_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12258,2 Pa (12,26 kPa)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1010,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8518,61 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022969_IT21
CI022426_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.3

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022969_IT21
CI022426_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,02 Pa (12,26 kPa)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1007,7 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	17107,26 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

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SECTION 16: OTHER INFORMATION (continued)

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022970_IT21
CI022427_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.3

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022970_IT21
CI022427_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.3

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 2-methyl-p-phenylenediamine sulfate, 2-methylresorcinol. May produce an allergic reaction.

Acute Toxicity Estimate (ATE mix):

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,37 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	63538,47 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

- CONTINUED ON NEXT PAGE -

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022971_IT21
CI022428_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.4

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022971_IT21
CI022428_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral), 34,1 % (dermal), 35,21 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12254,97 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1014,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	3810,1 mg/kg (Calculation method)	34,1 %
Dermal	54247,11 mg/kg (Calculation method)	34,1 %
Inhalation	533,27 mg/L (4 h) (Calculation method)	35,21 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022972_IT21
CI022430_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.4

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022972_IT21
CI022430_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12257,45 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1010,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	11274,4 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 °C)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022973_IT21
CI022432_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.4

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022973_IT21
CI022432_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.4

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12258,2 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1009,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	17105,47 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022974_IT21
CI022429_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.46

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022974_IT21
CI022429_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.46

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral), 34,1 % (dermal), 34,1 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12254,98 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1014,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4813,63 mg/kg (Calculation method)	34,1 %
Dermal	54247,11 mg/kg (Calculation method)	34,1 %
Inhalation	542,47 mg/L (4 h) (Calculation method)	34,1 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022975_IT21
CI022431_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.46

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022975_IT21
CI022431_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.46

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12258,41 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1010,4 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	16536,75 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022976_IT21
CI022433_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.6

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022976_IT21
CI022433_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate (CAS: 155601-30-2); 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0); 9-Octadecen-1-ol, (Z)-, phosphate (CAS: 37310-83-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

36,16 % (oral), 37,36 % (dermal) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 591-27-5 EC: 209-711-2 Index: Non-applicable REACH: 01-2119930678-27-XXXX	**3-aminophenol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Chronic 2: H411 - Warning	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
3-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 591-27-5	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
EC: 209-711-2	Inhalation	Non-applicable	Non-applicable	0,493 mg/m³	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
3-aminophenol	Oral	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
CAS: 591-27-5	Dermal	Non-applicable	Non-applicable	0,298 mg/kg	Non-applicable
EC: 209-711-2	Inhalation	Non-applicable	Non-applicable	0,087 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
3-aminophenol	STP	96,19 mg/L	Fresh water	0,001 mg/L
CAS: 591-27-5	Soil	0,00193 mg/kg	Marine water	0,0001 mg/L
EC: 209-711-2	Intermittent	0,00267 mg/L	Sediment (Fresh water)	0,0126 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00126 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12253,33 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1018,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
3-aminophenol	LD50 oral	693 mg/kg	Rat
CAS: 591-27-5	LD50 dermal	1100 mg/kg	Rabbit
EC: 209-711-2	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13574,59 mg/kg (Calculation method)	36,16 %
Dermal	61640,31 mg/kg (Calculation method)	37,36 %
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Acute toxicity:

Identification		Concentration	Species	Genus
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
3-aminophenol	LC50	121 mg/L (96 h)	Oryzias latipes	Fish
CAS: 591-27-5	EC50	3,6 mg/L (48 h)	QSAR	Fish
EC: 209-711-2	EC50	62 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
3-aminophenol	NOEC	50 mg/L	Oryzias latipes	Fish
CAS: 591-27-5 EC: 209-711-2	NOEC	0,05 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
3-aminophenol	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 591-27-5	COD	Non-applicable	Period	5 days
EC: 209-711-2	BOD5/COD	Non-applicable	% Biodegradable	46 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
3-aminophenol	Koc	72	Henry	1,12E-1 Pa·m³/mol
CAS: 591-27-5	Conclusion	Very High	Dry soil	No
EC: 209-711-2	Surface tension	Non-applicable	Moist soil	No
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Dam. 1: Calculation method
Skin Sens. 1: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022977_IT21
CI022434_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.6

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Beauty&Business S.p.A
Via Ciserano, snc.
24046 Osio Sotto (BG) - Italy
Phone: +390354197798 (office hours) - Fax: +390354197734
schede.sicurezza@alfaparfmilano.com
http://www.alfaparfmilano.com

1.4 Emergency telephone number: +390354197798

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

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SECTION 2: HAZARDS IDENTIFICATION (continued)

1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate (CAS: 155601-30-2); 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0); 9-Octadecen-1-ol, (Z)-, phosphate (CAS: 37310-83-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

36,64 % (oral), 37,79 % (dermal) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 591-27-5 EC: 209-711-2 Index: Non-applicable REACH: 01-2119930678-27-XXXX	**3-aminophenol(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Chronic 2: H411 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
3-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 591-27-5	Dermal	Non-applicable	Non-applicable	2,5 mg/kg	Non-applicable
EC: 209-711-2	Inhalation	Non-applicable	Non-applicable	0,493 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
3-aminophenol	Oral	Non-applicable	Non-applicable	0,05 mg/kg	Non-applicable
CAS: 591-27-5	Dermal	Non-applicable	Non-applicable	0,298 mg/kg	Non-applicable
EC: 209-711-2	Inhalation	Non-applicable	Non-applicable	0,087 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
3-aminophenol	STP	96,19 mg/L	Fresh water	0,001 mg/L
CAS: 591-27-5	Soil	0,00193 mg/kg	Marine water	0,0001 mg/L
EC: 209-711-2	Intermittent	0,00267 mg/L	Sediment (Fresh water)	0,0126 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00126 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12254,03 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1019,8 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	421 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
3-aminophenol	LD50 oral	693 mg/kg	Rat
CAS: 591-27-5	LD50 dermal	1100 mg/kg	Rabbit
EC: 209-711-2	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13615,47 mg/kg (Calculation method)	36,64 %
Dermal	58961,3 mg/kg (Calculation method)	37,79 %
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
3-aminophenol	LC50	121 mg/L (96 h)	Oryzias latipes	Fish
CAS: 591-27-5	EC50	3,6 mg/L (48 h)	QSAR	Fish
EC: 209-711-2	EC50	62 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
3-aminophenol	NOEC	50 mg/L	Oryzias latipes	Fish
CAS: 591-27-5 EC: 209-711-2	NOEC	0,05 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
3-aminophenol	BOD5	Non-applicable	Concentration	2 mg/L
CAS: 591-27-5	COD	Non-applicable	Period	5 days
EC: 209-711-2	BOD5/COD	Non-applicable	% Biodegradable	46 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
3-aminophenol	Koc	72	Henry	1,12E-1 Pa·m³/mol
CAS: 591-27-5	Conclusion	Very High	Dry soil	No
EC: 209-711-2	Surface tension	Non-applicable	Moist soil	No

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

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SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Dam. 1: Calculation method
Skin Sens. 1: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

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SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022978_IT21
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Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0); 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate (CAS: 155601-30-2); 9-Octadecen-1-ol, (Z)-, phosphate (CAS: 37310-83-1); 5-amino-o-cresol (CAS: 2835-95-2)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

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SECTION 4: FIRST AID MEASURES (continued)

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12257,34 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1014,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	400 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Sens. 1A: Calculation method
Eye Dam. 1: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022979_IT21
CI022436_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.5

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022979_IT21
CI022436_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.5

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

34,1 % (oral), 34,1 % (dermal), 34,1 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12256,5 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1012,7 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	6614,69 mg/kg (Calculation method)	34,1 %
Dermal	71334,94 mg/kg (Calculation method)	34,1 %
Inhalation	713,35 mg/L (4 h) (Calculation method)	34,1 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022980_IT21
CI022437_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.5

Printing: 09/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022980_IT21
CI022437_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.5

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

34,1 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Dam. 1: H318 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts CAS: 61789-40-0 EC: 263-058-8	% (w/w) >=10: Eye Dam. 1 - H318 4<= % (w/w) <10: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,06 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1008,1 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	12844,08 mg/kg (Calculation method)	34,1 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	>10 - 100 mg/L (96 h)		Fish
CAS: 61789-40-0	EC50	>10 - 100 mg/L (48 h)		Crustacean
EC: 263-058-8	EC50	>10 - 100 mg/L (72 h)		Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022981_IT21
CI022456_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.7

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022981_IT21
CI022456_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 5.7

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 68259-00-7 EC: 269-503-2 Index: Non-applicable REACH: 01-2120817619-46-XXXX	**C.I.Basic Yellow 87(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,7 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1004,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	
C.I.Basic Yellow 87	LD50 oral	1000 mg/kg	Rat
CAS: 68259-00-7	LD50 dermal	Non-applicable	
EC: 269-503-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	19423,72 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
C.I.Basic Yellow 87	LC50	Non-applicable		
CAS: 68259-00-7	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 269-503-2	EC50	0,28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
C.I.Basic Yellow 87	BOD5	Non-applicable	Concentration	25 mg/L
CAS: 68259-00-7	COD	Non-applicable	Period	28 days
EC: 269-503-2	BOD5/COD	Non-applicable	% Biodegradable	21,6 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	
C.I.Basic Yellow 87	BCF	
CAS: 68259-00-7	Pow Log	-1.69
EC: 269-503-2	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022982_IT21
CI022457_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.7

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022982_IT21
CI022457_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.7

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 68259-00-7 EC: 269-503-2 Index: Non-applicable REACH: 01-2120817619-46-XXXX	**C.I.Basic Yellow 87(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,11 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1003,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	
C.I.Basic Yellow 87	LD50 oral	1000 mg/kg	Rat
CAS: 68259-00-7	LD50 dermal	Non-applicable	
EC: 269-503-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	56572,49 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
C.I.Basic Yellow 87	LC50	Non-applicable		
CAS: 68259-00-7	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 269-503-2	EC50	0,28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
C.I.Basic Yellow 87	BOD5	Non-applicable	Concentration	25 mg/L
CAS: 68259-00-7	COD	Non-applicable	Period	28 days
EC: 269-503-2	BOD5/COD	Non-applicable	% Biodegradable	21,6 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	
C.I.Basic Yellow 87	BCF	
CAS: 68259-00-7	Pow Log	-1.69
EC: 269-503-2	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022983_IT21
CI022448_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 2.1

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022983_IT21
CI022448_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 2.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Eye Dam. 1: Serious eye damage, Category 1, H318
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a poison center/doctor.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); potassium hydroxide (CAS: 1310-58-3); 9-Octadecen-1-ol, (Z)-, phosphate (CAS: 37310-83-1)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral), 35,5 % (dermal), 35,5 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2325 Pa
Vapour pressure at 50 ºC:	12252 Pa (12,25 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1019,4 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	2219,31 mg/kg (Calculation method)	32,27 %
Dermal	25857,42 mg/kg (Calculation method)	35,5 %
Inhalation	258,57 mg/L (4 h) (Calculation method)	35,5 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 °C)	Moist soil	No
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-(2,4-diaminophenoxy)ethanol dihydrochloride; 2-methyl-p-phenylenediamine sulfate)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	274, 335, 375, 601
	Tunnel restriction code:	-
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-(2,4-diaminophenoxy)ethanol dihydrochloride; 2-methyl-p-phenylenediamine sulfate)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Marine pollutant:**	Yes
14.6	**Special precautions for user**	
	Special regulations:	335, 969, 274
	EmS Codes:	F-A, S-F
	Physico-Chemical properties:	see section 9
	Limited quantities:	5 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

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SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN3082
14.2	**UN proper shipping name:**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-(2,4-diaminophenoxy)ethanol dihydrochloride; 2-methyl-p-phenylenediamine sulfate)
14.3	**Transport hazard class(es):**	9
	Labels:	9
14.4	**Packing group:**	III
14.5	**Environmental hazards:**	Yes
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Eye Dam. 1: Calculation method
Aquatic Chronic 2: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022984_IT21
CI022450_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.1

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022984_IT21
CI022450_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,82 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1007,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	19096,33 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022985_IT21
CI022452_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.1

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022985_IT21
CI022452_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,57 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	29557,81 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022986_IT21
CI022454_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.1

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022986_IT21
CI022454_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.1

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,22 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,5 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	45322,01 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022987_IT21
CI022455_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.12

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022987_IT21
CI022455_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.12

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,22 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,5 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	45322,01 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022988_IT21
CI022453_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.13

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022988_IT21
CI022453_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,04 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,7 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	45322,01 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022989_IT21
CI022449_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.17

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022989_IT21
CI022449_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.17

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12257,41 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1011,4 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7832,13 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

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SECTION 16: OTHER INFORMATION (continued)

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022990_IT21
CI022451_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.17

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022990_IT21
CI022451_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.17

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,69 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1007,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	19096,28 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

12.3 Bioaccumulative potential:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022991_IT21
CI022438_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.2

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022991_IT21
CI022438_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12259,62 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1009 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	7553,67 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022992_IT21
CI022439_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.2

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022992_IT21
CI022439_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,17 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	14153,99 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022993_IT21
CI022441_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.2

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022993_IT21
CI022441_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

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SECTION 4: FIRST AID MEASURES (continued)

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,19 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1005,5 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	36010,08 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022994_IT21
CI022443_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.2

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022994_IT21
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MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.2

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Beauty&Business S.p.A
Via Ciserano, snc.
24046 Osio Sotto (BG) - Italy
Phone: +390354197798 (office hours) - Fax: +390354197734
schede.sicurezza@alfaparfmilano.com
http://www.alfaparfmilano.com

1.4 Emergency telephone number: +390354197798

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger 	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning 	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,35 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1005,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	46419,34 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

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SECTION 15: REGULATORY INFORMATION (continued)

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

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SECTION 16: OTHER INFORMATION (continued)

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Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022995_IT21
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Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,51 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,1 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	327 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	62946,71 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022996_IT21
CI022440_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.21

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022996_IT21
CI022440_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.21

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC: Liquid

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,02 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1007 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	15810 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022997_IT21
CI022442_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.21

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022997_IT21
CI022442_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8.21

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC: Liquid

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,6 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1006,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	22585,74 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022998_IT21
CI022444_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.21

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022998_IT21
CI022444_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9.21

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,25 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,4 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	36898,39 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF022999_IT21
CI022446_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.21

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF022999_IT21
CI022446_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.21

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,43 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,2 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	52200,21 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023000_IT21
CI022447_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.24

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023000_IT21
CI022447_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.24

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger 	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger 	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

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SECTION 7: HANDLING AND STORAGE (continued)

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,93 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	421 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Sens. 1: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023001_IT21
CI022458_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR CLEAR

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023001_IT21
CI022458_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR CLEAR

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: COSMETIC PURPOSE

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Sens. 1: Sensitisation, skin, Category 1, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Substances that contribute to the classification

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts (CAS: 61789-40-0)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture composed of additives

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)** Self-classified		**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)** Self-classified		**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)** Self-classified		**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2328 Pa
Vapour pressure at 50 ºC:	12263,37 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1003,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	421 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

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SECTION 14: TRANSPORT INFORMATION (continued)

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.

Classification procedure:

Eye Irrit. 2: Calculation method
Skin Sens. 1: Calculation method

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023002_IT21
CI022245_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GRAY

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023002_IT21
CI022245_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GRAY

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

12,56 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

PF023002_IT21
CI022245_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GRAY

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

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SECTION 5: FIREFIGHTING MEASURES (continued)

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Not available
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2304 Pa

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Vapour pressure at 50 ºC:	12140,67 Pa (12,14 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1053,7 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	27747,67 mg/kg (Calculation method)	12,56 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

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PF023002_IT21
CI022245_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GRAY

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023003_IT21
CI022246_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GREEN

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023003_IT21
CI022246_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GREEN

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

12,82 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

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MOROCCANOIL COLOR INFUSION PURE COLOR MIXER GREEN

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 68259-00-7 EC: 269-503-2 Index: Non-applicable REACH: 01-2120817619-46-XXXX	**C.I.Basic Yellow 87(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable

DNEL (General population):

Non-applicable

PNEC:

Identification				
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Not available
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2304 Pa
Vapour pressure at 50 ºC:	12139,23 Pa (12,14 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1051,1 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	
C.I.Basic Yellow 87	LD50 oral	1000 mg/kg	Rat
CAS: 68259-00-7	LD50 dermal	Non-applicable	
EC: 269-503-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	38045,97 mg/kg (Calculation method)	12,82 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
C.I.Basic Yellow 87	LC50	Non-applicable		
CAS: 68259-00-7	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 269-503-2	EC50	0,28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
C.I.Basic Yellow 87	BOD5	Non-applicable	Concentration	25 mg/L
CAS: 68259-00-7	COD	Non-applicable	Period	28 days
EC: 269-503-2	BOD5/COD	Non-applicable	% Biodegradable	21,6 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	
C.I.Basic Yellow 87	BCF	
CAS: 68259-00-7	Pow Log	-1.69
EC: 269-503-2	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Aquatic Chronic 3: Calculation method
Skin Sens. 1A: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023004_IT21
CI022247_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER BLUE

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023004_IT21
CI022247_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER BLUE

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

Non-applicable

Supplementary information:

EUH208: Contains 2-(2,4-diaminophenoxy)ethanol dihydrochloride. May produce an allergic reaction.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride[1]** Self-classified		**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger 	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

Non-applicable

PNEC:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

V.O.C. density at 20 ºC: 0 kg/m³ (0 g/L)

Average carbon number: Non-applicable

Average molecular weight: Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Not available
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2304 Pa
Vapour pressure at 50 ºC:	12140,32 Pa (12,14 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1053,4 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Chronic toxicity:

Identification	Concentration		Species	Genus
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 14: TRANSPORT INFORMATION (continued)

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Non-applicable

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.

Classification procedure:

Non-applicable

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product
The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF DOCUMENT

PF023005_IT21
CI022248_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER VIOLET

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023005_IT21
CI022248_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER VIOLET

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate, 2-(2,4-diaminophenoxy)ethanol dihydrochloride.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9); 5-amino-o-cresol (CAS: 2835-95-2)

Acute Toxicity Estimate (ATE mix):

13,74 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

PF023005_IT21
CI022248_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER VIOLET

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)** Self-classified		**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)** Self-classified		**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning 	
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)** Self-classified		**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 66422-95-5 EC: 266-357-1 Index: Non-applicable REACH: 01-2120011817-60-XXXX	**2-(2,4-diaminophenoxy)ethanol dihydrochloride(1)** Self-classified		**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1B: H317 - Danger 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

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SECTION 7: HANDLING AND STORAGE (continued)

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 66422-95-5	Dermal	Non-applicable	Non-applicable	23,81 mg/kg	Non-applicable
EC: 266-357-1	Inhalation	Non-applicable	Non-applicable	0,7 mg/m³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg
2-(2,4-diaminophenoxy)ethanol dihydrochloride	STP	50,1 mg/L	Fresh water	0,043 mg/L
CAS: 66422-95-5	Soil	0,021 mg/kg	Marine water	0,004 mg/L
EC: 266-357-1	Intermittent	0,65 mg/L	Sediment (Fresh water)	0,231 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,023 mg/kg

8.2 Exposure controls:

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0 % weight

V.O.C. density at 20 ºC: 0 kg/m³ (0 g/L)

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Not available
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2303 Pa
Vapour pressure at 50 ºC:	12133,96 Pa (12,13 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1059,8 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LD50 oral	1000 mg/kg	Rat
CAS: 66422-95-5	LD50 dermal	45450 mg/kg	Rat
EC: 266-357-1	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	15542,61 mg/kg (Calculation method)	13,74 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
2-(2,4-diaminophenoxy)ethanol dihydrochloride	LC50	400 mg/L (96 h)	Danio rerio	Fish
CAS: 66422-95-5	EC50	6,49 mg/L (48 h)	Daphnia magna	Crustacean
EC: 266-357-1	EC50	37,4 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean
2-(2,4-diaminophenoxy)ethanol dihydrochloride	NOEC	Non-applicable		
CAS: 66422-95-5 EC: 266-357-1	NOEC	0,43 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BOD5	Non-applicable	Concentration	30 mg/L
CAS: 66422-95-5	COD	Non-applicable	Period	28 days
EC: 266-357-1	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	
2-(2,4-diaminophenoxy)ethanol dihydrochloride	BCF	
CAS: 66422-95-5	Pow Log	-0.98
EC: 266-357-1	Potential	

12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable
2-(2,4-diaminophenoxy)ethanol dihydrochloride	Koc	17.8	Henry	Non-applicable
CAS: 66422-95-5	Conclusion	Very High	Dry soil	Non-applicable
EC: 266-357-1	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

PF023005_IT21
CI022248_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER VIOLET

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023006_IT21
CI022249_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER YELLOW

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023006_IT21
CI022249_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER YELLOW

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger 	
CAS: 68259-00-7 EC: 269-503-2 Index: Non-applicable REACH: 01-2120817619-46-XXXX	**C.I.Basic Yellow 87**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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SECTION 7: HANDLING AND STORAGE (continued)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2306 Pa
Vapour pressure at 50 ºC:	12151,15 Pa (12,15 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1037,6 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	370 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
C.I.Basic Yellow 87	LD50 oral	1000 mg/kg	Rat
CAS: 68259-00-7	LD50 dermal	Non-applicable	
EC: 269-503-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
C.I.Basic Yellow 87	LC50	Non-applicable		
CAS: 68259-00-7	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 269-503-2	EC50	0,28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
C.I.Basic Yellow 87	BOD5	Non-applicable	Concentration	25 mg/L
CAS: 68259-00-7	COD	Non-applicable	Period	28 days
EC: 269-503-2	BOD5/COD	Non-applicable	% Biodegradable	21,6 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
C.I.Basic Yellow 87	BCF	
CAS: 68259-00-7	Pow Log	-1.69
EC: 269-503-2	Potential	

12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Not available

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023007_IT21
CI022250_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER ORANGE

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023007_IT21
CI022250_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER ORANGE

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger 	
CAS: 68259-00-7 EC: 269-503-2 Index: Non-applicable REACH: 01-2120817619-46-XXXX	**C.I.Basic Yellow 87**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

PNEC:

Non-applicable

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Orange
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2306 Pa
Vapour pressure at 50 ºC:	12151,13 Pa (12,15 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Product description:

Density at 20 ºC:	1037,6 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	370 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
C.I.Basic Yellow 87	LD50 oral	1000 mg/kg	Rat
CAS: 68259-00-7	LD50 dermal	Non-applicable	
EC: 269-503-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
C.I.Basic Yellow 87	LC50	Non-applicable		
CAS: 68259-00-7	EC50	1,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 269-503-2	EC50	0,28 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
C.I.Basic Yellow 87	BOD5	Non-applicable	Concentration	25 mg/L
CAS: 68259-00-7	COD	Non-applicable	Period	28 days
EC: 269-503-2	BOD5/COD	Non-applicable	% Biodegradable	21,6 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
C.I.Basic Yellow 87	BCF	
CAS: 68259-00-7	Pow Log	-1.69
EC: 269-503-2	Potential	

12.4 Mobility in soil:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Not available

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Classification procedure:

Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF023008_IT21
CI022251_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER RED

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF023008_IT21
CI022251_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER RED

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate.

Substances that contribute to the classification

5-amino-o-cresol (CAS: 2835-95-2)

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

PF023008_IT21
CI022251_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER RED

Printing: 12/03/2023 Date of compilation: 04/05/2022 Version: 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 155601-30-2 EC: 429-300-3 Index: 613-249-00-0 REACH: 01-2120091758-40-XXXX	**1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger 	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

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SECTION 5: FIREFIGHTING MEASURES (continued)

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
There are no applicable occupational exposure limits for the substances contained in the product

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.4 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Gel
Colour:	Not available
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2302 Pa

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Vapour pressure at 50 ºC:	12129,64 Pa (12,13 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1065 kg/m³
Relative density at 20 ºC:	1 - 1,04
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	370 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>2000 mg/kg (Calculation method)	Non-applicable
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	LC50	86,23 mg/L (96 h)	Danio rerio	Fish
CAS: 155601-30-2	EC50	11,12 mg/L (48 h)	N/A	Crustacean
EC: 429-300-3	EC50	5,33 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 155601-30-2	COD	Non-applicable	Period	28 days
EC: 429-300-3	BOD5/COD	Non-applicable	% Biodegradable	33 %

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diyldiammoniumsulfate	BCF	
CAS: 155601-30-2	Pow Log	-1.75
EC: 429-300-3	Potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Sens. 1A: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

- CONTINUED ON NEXT PAGE -

PF023008_IT21
CI022251_IT21
MOROCCANOIL COLOR INFUSION PURE COLOR MIXER RED

SECTION 16: OTHER INFORMATION (continued)

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF025784_IT21
CI024238_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.13

Printing: 12/03/2023 Date of compilation: 12/03/2023 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF025784_IT21
CI024238_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with amines and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12260,29 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1007,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	13447,58 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF025785_IT21
CI024239_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.13

Printing: 12/03/2023 Date of compilation: 12/03/2023 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF025785_IT21
CI024239_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with amines and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol[1]**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate[1]**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,16 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,8 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	19493,81 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

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SECTION 15: REGULATORY INFORMATION (continued)

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

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SECTION 16: OTHER INFORMATION (continued)

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF025786_IT21
CI024241_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.13

Printing: 12/03/2023 Date of compilation: 12/03/2023 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF025786_IT21
CI024241_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.13

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

32,27 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with amines and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning 	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning 	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger 	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger 	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger 	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(2)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

- CONTINUED ON NEXT PAGE -

SECTION 4: FIRST AID MEASURES (continued)

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid spillage into the aquatic environment as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into the aquatic environment notify the relevant authority.

6.3 Methods and material for containment and cleaning up:

It is recommended:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0 kg/m³ (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Emulsion
Colour:	Beige

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,25 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1005,4 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	307 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	60161,63 mg/kg (Calculation method)	32,27 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No

12.5 Results of PBT and vPvB assessment:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Non dangerous

Type of waste (Regulation (EU) No 1357/2014):

Non-applicable

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

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PF025786_IT21
CI024241_IT21 MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 10.13

Printing: 12/03/2023 Date of compilation: 12/03/2023 Version: 1

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026188_IT21
CI024813_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.9

Printing: 12/03/2023 Date of compilation: 02/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026188_IT21
CI024813_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 4.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,94 % (oral), 38,14 % (dermal), 36,34 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 324 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12064,05 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4196,83 mg/kg (Calculation method)	32,94 %
Dermal	45216,94 mg/kg (Calculation method)	38,14 %
Inhalation	86,41 mg/L (4 h) (Calculation method)	36,34 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026189_IT21
CI024814_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.99

Printing: 12/03/2023 Date of compilation: 02/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026189_IT21
CI024814_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 5.99

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

32,89 % (oral), 38,09 % (dermal), 36,29 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *
Volatility:	
Boiling point at atmospheric pressure:	100 - 324 ºC
Vapour pressure at 20 ºC:	2290 Pa
Vapour pressure at 50 ºC:	12064,71 Pa (12,06 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	4279,87 mg/kg (Calculation method)	32,89 %
Dermal	46107,65 mg/kg (Calculation method)	38,09 %
Inhalation	86,77 mg/L (4 h) (Calculation method)	36,29 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:
Non-applicable

Texts of the legislative phrases mentioned in section 2:
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:
Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:
Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:
http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026190_IT21
CI024815_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.9

Printing: 12/03/2023 Date of compilation: 02/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026190_IT21
CI024815_IT21
MOROCCANOIL COLOR RHAPSODY PERMANENT CREAM COLOR 6.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,86 % (oral), 35,26 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 g/mol

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 324 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12075,85 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8780,68 mg/kg (Calculation method)	31,86 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	107,91 mg/L (4 h) (Calculation method)	35,26 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

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SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026191_IT21
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Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

Beauty&Business S.p.A
Via Ciserano, snc.
24046 Osio Sotto (BG) - Italy
Phone: +390354197798 (office hours) - Fax: +390354197734
schede.sicurezza@alfaparfmilano.com
http://www.alfaparfmilano.com

1.4 Emergency telephone number: +390354197798

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

Acute Toxicity Estimate (ATE mix):

31,63 % (oral), 35,03 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Chemical name/Classification		Concentration
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning 	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning 	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning 	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

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SECTION 7: HANDLING AND STORAGE (continued)

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 324 ºC
Vapour pressure at 20 ºC:	2292 Pa
Vapour pressure at 50 ºC:	12078,15 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	11354,18 mg/kg (Calculation method)	31,63 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,28 mg/L (4 h) (Calculation method)	35,03 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

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SECTION 15: REGULATORY INFORMATION (continued)

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:
The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:
Non-applicable

Texts of the legislative phrases mentioned in section 2:
H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:
Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Muta. 2: H341 - Suspected of causing genetic defects.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:
Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:
Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:
http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

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SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026192_IT21
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Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains (R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,26 % (oral), 34,66 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture with Ammonia and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 112-53-8 EC: 203-982-0 Index: Non-applicable REACH: 01-2119787279-18-XXXX	**Dodecan-1-ol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Irrit. 2: H319 - Warning	
CAS: 7664-41-7 EC: 231-635-3 Index: 007-001-00-5 REACH: 01-2119488876-14-XXXX	**ammonia, anhydrous**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H331; Aquatic Acute 1: H400; Flam. Gas 2: H221; Press. Gas: H280; Skin Corr. 1B: H314 - Danger	
CAS: 112-72-1 EC: 204-000-3 Index: Non-applicable REACH: 01-2119485910-33-XXXX	**Tetradecanol**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 515-69-5 EC: 208-205-9 Index: Non-applicable REACH: Non-applicable	**(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

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SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 40 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		
ammonia, anhydrous	IOELV (8h)	20 ppm	14 mg/m³
CAS: 7664-41-7 EC: 231-635-3	IOELV (STEL)	50 ppm	36 mg/m³

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	313 mg/m³	155 mg/m³
ammonia, anhydrous	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 7664-41-7	Dermal	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	47,6 mg/m³	36 mg/m³	47,6 mg/m³	14 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	89 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	313 mg/m³	178 mg/m³
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Dodecan-1-ol	Oral	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
CAS: 112-53-8	Dermal	Non-applicable	Non-applicable	44,5 mg/kg	Non-applicable
EC: 203-982-0	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
ammonia, anhydrous	Oral	6,8 mg/kg	Non-applicable	6,8 mg/kg	Non-applicable
CAS: 7664-41-7	Dermal	68 mg/kg	Non-applicable	68 mg/kg	Non-applicable
EC: 231-635-3	Inhalation	23,8 mg/m³	7,2 mg/m³	23,8 mg/m³	2,8 mg/m³
Tetradecanol	Oral	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
CAS: 112-72-1	Dermal	Non-applicable	Non-applicable	44,4 mg/kg	Non-applicable
EC: 204-000-3	Inhalation	Non-applicable	Non-applicable	77 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
Dodecan-1-ol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-53-8	Soil	0,132 mg/kg	Marine water	0 mg/L
EC: 203-982-0	Intermittent	Non-applicable	Sediment (Fresh water)	0,666 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,067 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
ammonia, anhydrous	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 7664-41-7	Soil	Non-applicable	Marine water	0,001 mg/L
EC: 231-635-3	Intermittent	0,007 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
Tetradecanol	STP	Non-applicable	Fresh water	0,001 mg/L
CAS: 112-72-1	Soil	0,428 mg/kg	Marine water	0 mg/L
EC: 204-000-3	Intermittent	Non-applicable	Sediment (Fresh water)	2,14 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,214 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	Non-applicable
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Ivory
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 324 ºC
Vapour pressure at 20 ºC:	2293 Pa
Vapour pressure at 50 ºC:	12082,39 Pa (12,08 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	Non-applicable *
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Concentration:	Non-applicable *
pH:	10 - 11
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Precaution	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

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SECTION 10: STABILITY AND REACTIVITY (continued)

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); resorcinol (3); Sodium sulphite (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
Dodecan-1-ol	LD50 oral	26530 mg/kg	Rat
CAS: 112-53-8	LD50 dermal	Non-applicable	
EC: 203-982-0	LC50 inhalation	Non-applicable	
Tetradecanol	LD50 oral	>5000 mg/kg	Rat
CAS: 112-72-1	LD50 dermal	Non-applicable	
EC: 204-000-3	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
ammonia, anhydrous	LD50 oral	Non-applicable	
CAS: 7664-41-7	LD50 dermal	Non-applicable	
EC: 231-635-3	LC50 inhalation	3 mg/L (ATEi)	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	25970,33 mg/kg (Calculation method)	31,26 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	108,91 mg/L (4 h) (Calculation method)	34,66 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	LC50	1,01 mg/L (96 h)	Pimephales promelas	Fish
CAS: 112-53-8	EC50	320 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-982-0	EC50	0,97 mg/L (96 h)	Scenedesmus subspicatus	Algae
ammonia, anhydrous	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 7664-41-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 231-635-3	EC50	>0.1 - 1 mg/L (72 h)		Algae
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
(R*,R*)-α,4-dimethyl-α-(4-methyl-3-pentenyl)cyclohex-3-ene-1-methanol	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 515-69-5	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 208-205-9	EC50	>1 - 10 mg/L (72 h)		Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
Dodecan-1-ol	NOEC	0,26 mg/L	Pimephales promelas	Fish
CAS: 112-53-8 EC: 203-982-0	NOEC	0,014 mg/L	Daphnia magna	Crustacean
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
Dodecan-1-ol	BCF	180
CAS: 112-53-8	Pow Log	5.13
EC: 203-982-0	Potential	High
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Dodecan-1-ol	Koc	15000	Henry	2,25 Pa·m³/mol
CAS: 112-53-8	Conclusion	Immobile	Dry soil	Non-applicable
EC: 203-982-0	Surface tension	2,94E-2 N/m (25 ºC)	Moist soil	Yes
Tetradecanol	Koc	Non-applicable	Henry	Non-applicable
CAS: 112-72-1	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 204-000-3	Surface tension	1,198E-2 N/m (252,68 ºC)	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

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SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.
H315: Causes skin irritation.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Gas 2: H221 - Flammable gas.
Press. Gas: H280 - Contains gas under pressure, may explode if heated.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method
Skin Irrit. 2: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026197_IT21
CI024822_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 4.9

Printing: 12/03/2023 Date of compilation: 06/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026197_IT21
CI024822_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 4.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Cosmetics

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Corr. 1B: Skin corrosion, Category 1B, H314

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/protective footwear.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 2-methylresorcinol, 5-amino-o-cresol, p-phenylenediamine. May produce an allergic reaction.

Substances that contribute to the classification

Undecan-1-ol, ethoxylated (CAS: 34398-01-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

31,83 % (oral), 43,58 % (dermal), 43,58 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of alcohols and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34398-01-1 EC: 500-084-3 Index: Non-applicable REACH: Non-applicable	**Undecan-1-ol, ethoxylated[1]**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol[2]**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide[1]**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 106-50-3 EC: 203-404-7 Index: 612-028-00-6 REACH: 01-2119471483-36-XXXX	**p-phenylenediamine[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 112-02-7 EC: 203-928-6 Index: Non-applicable REACH: 01-2119970558-23-XXXX	**Cetrimonium chloride[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol[1]**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol[1]**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Other information:

Identification	M-factor	
Cetrimonium chloride	Acute	10
CAS: 112-02-7 EC: 203-928-6	Chronic	1

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
p-phenylenediamine	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,32 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,23 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	4,7 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	3,32 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
p-phenylenediamine	Oral	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,06 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	0,98 mg/m³	Non-applicable
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
p-phenylenediamine	STP	0,334 mg/L	Fresh water	0,001 mg/L
CAS: 106-50-3	Soil	0 mg/kg	Marine water	0 mg/L
EC: 203-404-7	Intermittent	0,003 mg/L	Sediment (Fresh water)	0,002 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
Cetrimonium chloride	STP	0,4 mg/L	Fresh water	0,001 mg/L
CAS: 112-02-7	Soil	7 mg/kg	Marine water	0 mg/L
EC: 203-928-6	Intermittent	0,001 mg/L	Sediment (Fresh water)	9,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,927 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	12 % weight
V.O.C. density at 20 ºC:	118,87 kg/m³ (118,87 g/L)
Average carbon number:	2
Average molecular weight:	46,1 g/mol

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	78 - 1320 ºC
Vapour pressure at 20 ºC:	2631 Pa
Vapour pressure at 50 ºC:	13475,64 Pa (13,48 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	990,5 kg/m³
Relative density at 20 ºC:	0,98 - 1
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9,5 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	37 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available

Particle characteristics:

Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); p-phenylenediamine (3); resorcinol (3); Sodium sulphite (3); ethanol (1)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
p-phenylenediamine	LD50 oral	137 mg/kg	Rat
CAS: 106-50-3	LD50 dermal	300 mg/kg (ATEi)	
EC: 203-404-7	LC50 inhalation	3 mg/L (ATEi)	
Cetrimonium chloride	LD50 oral	861 mg/kg	Rat
CAS: 112-02-7	LD50 dermal	627 mg/kg	Rabbit
EC: 203-928-6	LC50 inhalation	Non-applicable	
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

ATE mix		Ingredient(s) of unknown toxicity
Oral	5048,79 mg/kg (Calculation method)	31,83 %
Dermal	16210,07 mg/kg (Calculation method)	43,58 %
Inhalation	210,27 mg/L (4 h) (Calculation method)	43,58 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
p-phenylenediamine	LC50	0,5 mg/L (96 h)	Leuciscus idus	Fish
CAS: 106-50-3	EC50	Non-applicable		
EC: 203-404-7	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
Cetrimonium chloride	LC50	0,1 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 112-02-7	EC50	0,012 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-928-6	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
p-phenylenediamine	NOEC	Non-applicable		
CAS: 106-50-3 EC: 203-404-7	NOEC	0,00501 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
Cetrimonium chloride	NOEC	0,2737 mg/L	Pimephales promelas	Fish
CAS: 112-02-7 EC: 203-928-6	NOEC	0,0068 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
p-phenylenediamine	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-50-3	COD	Non-applicable	Period	28 days
EC: 203-404-7	BOD5/COD	Non-applicable	% Biodegradable	5 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
p-phenylenediamine	BCF	0.3
CAS: 106-50-3	Pow Log	-0.3
EC: 203-404-7	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
Cetrimonium chloride	BCF	162
CAS: 112-02-7	Pow Log	3.21
EC: 203-928-6	Potential	High
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
p-phenylenediamine	Koc	16	Henry	6,789E-5 Pa·m³/mol
CAS: 106-50-3	Conclusion	Very High	Dry soil	No
EC: 203-404-7	Surface tension	1,754E-2 N/m (331,35 ºC)	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
Cetrimonium chloride	Koc	220000	Henry	2,938E-5 Pa·m³/mol
CAS: 112-02-7	Conclusion	Immobile	Dry soil	No
EC: 203-928-6	Surface tension	Non-applicable	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

- CONTINUED ON NEXT PAGE -

SECTION 14: TRANSPORT INFORMATION (continued)

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	EmS Codes:	F-E, S-C
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Chronic 3: Calculation method
Eye Dam. 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Skin Corr. 1B: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026198_IT21
CI024823_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 6.9

Printing: 12/03/2023 Date of compilation: 06/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026198_IT21
CI024823_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 6.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Cosmetics

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Corr. 1B: Skin corrosion, Category 1B, H314

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/protective footwear.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 5-amino-o-cresol, p-phenylenediamine. May produce an allergic reaction.

Substances that contribute to the classification

Undecan-1-ol, ethoxylated (CAS: 34398-01-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

31,83 % (oral), 43,58 % (dermal), 43,58 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of alcohols and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34398-01-1 EC: 500-084-3 Index: Non-applicable REACH: Non-applicable	**Undecan-1-ol, ethoxylated**[1]	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol**[2]	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 112-02-7 EC: 203-928-6 Index: Non-applicable REACH: 01-2119970558-23-XXXX	**Cetrimonium chloride**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 106-50-3 EC: 203-404-7 Index: 612-028-00-6 REACH: 01-2119471483-36-XXXX	**p-phenylenediamine**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
[2] Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	M-factor	
Cetrimonium chloride	Acute	10
CAS: 112-02-7 EC: 203-928-6	Chronic	1

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	4,7 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	3,32 mg/m³	Non-applicable
p-phenylenediamine	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,32 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,23 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	0,98 mg/m³	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
p-phenylenediamine	Oral	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,06 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
Cetrimonium chloride	STP	0,4 mg/L	Fresh water	0,001 mg/L
CAS: 112-02-7	Soil	7 mg/kg	Marine water	0 mg/L
EC: 203-928-6	Intermittent	0,001 mg/L	Sediment (Fresh water)	9,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,927 mg/kg
p-phenylenediamine	STP	0,334 mg/L	Fresh water	0,001 mg/L
CAS: 106-50-3	Soil	0 mg/kg	Marine water	0 mg/L
EC: 203-404-7	Intermittent	0,003 mg/L	Sediment (Fresh water)	0,002 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	12 % weight
V.O.C. density at 20 ºC:	118,61 kg/m³ (118,61 g/L)
Average carbon number:	2
Average molecular weight:	46,1 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Boiling point at atmospheric pressure:	78 - 1320 ºC
Vapour pressure at 20 ºC:	2623 Pa
Vapour pressure at 50 ºC:	13443,71 Pa (13,44 kPa)
Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	988,4 kg/m³
Relative density at 20 ºC:	0,98 - 1
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9,5 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	37 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

- CONTINUED ON NEXT PAGE -

SECTION 10: STABILITY AND REACTIVITY (continued)

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); ethanol (1); Eugenol (3); Coumarin (3); p-phenylenediamine (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
Cetrimonium chloride	LD50 oral	861 mg/kg	Rat
CAS: 112-02-7	LD50 dermal	627 mg/kg	Rabbit
EC: 203-928-6	LC50 inhalation	Non-applicable	
p-phenylenediamine	LD50 oral	137 mg/kg	Rat
CAS: 106-50-3	LD50 dermal	300 mg/kg (ATEi)	
EC: 203-404-7	LC50 inhalation	3 mg/L (ATEi)	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	8624,82 mg/kg (Calculation method)	31,83 %
Dermal	32105,47 mg/kg (Calculation method)	43,58 %
Inhalation	587,75 mg/L (4 h) (Calculation method)	43,58 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
Cetrimonium chloride	LC50	0,1 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 112-02-7	EC50	0,012 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-928-6	EC50	Non-applicable		
p-phenylenediamine	LC50	0,5 mg/L (96 h)	Leuciscus idus	Fish
CAS: 106-50-3	EC50	Non-applicable		
EC: 203-404-7	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Cetrimonium chloride	NOEC	0,2737 mg/L	Pimephales promelas	Fish
CAS: 112-02-7 EC: 203-928-6	NOEC	0,0068 mg/L	Daphnia magna	Crustacean
p-phenylenediamine	NOEC	Non-applicable		
CAS: 106-50-3 EC: 203-404-7	NOEC	0,00501 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
p-phenylenediamine	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-50-3	COD	Non-applicable	Period	28 days
EC: 203-404-7	BOD5/COD	Non-applicable	% Biodegradable	5 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Cetrimonium chloride	BCF	162
CAS: 112-02-7	Pow Log	3.21
EC: 203-928-6	Potential	High
p-phenylenediamine	BCF	0.3
CAS: 106-50-3	Pow Log	-0.3
EC: 203-404-7	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
Cetrimonium chloride	Koc	220000	Henry	2,938E-5 Pa·m³/mol
CAS: 112-02-7	Conclusion	Immobile	Dry soil	No
EC: 203-928-6	Surface tension	Non-applicable	Moist soil	No
p-phenylenediamine	Koc	16	Henry	6,789E-5 Pa·m³/mol
CAS: 106-50-3	Conclusion	Very High	Dry soil	No
EC: 203-404-7	Surface tension	1,754E-2 N/m (331,35 ºC)	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	EmS Codes:	F-E, S-C
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

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SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

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SECTION 16: OTHER INFORMATION (continued)

Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects.
H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Skin Corr. 1B: Calculation method
Eye Dam. 1: Calculation method
Aquatic Chronic 3: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026199_IT21
CI024824_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 7.9

Printing: 12/03/2023 Date of compilation: 06/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026199_IT21
CI024824_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 7.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Cosmetics

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Corr. 1B: Skin corrosion, Category 1B, H314

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/protective footwear.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 5-amino-o-cresol, p-phenylenediamine. May produce an allergic reaction.

Substances that contribute to the classification

Undecan-1-ol, ethoxylated (CAS: 34398-01-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

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SECTION 2: HAZARDS IDENTIFICATION (continued)

31,83 % (oral), 43,58 % (dermal), 43,58 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of alcohols and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34398-01-1 EC: 500-084-3 Index: Non-applicable REACH: Non-applicable	**Undecan-1-ol, ethoxylated**(1)	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol**(2)	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 112-02-7 EC: 203-928-6 Index: Non-applicable REACH: 01-2119970558-23-XXXX	**Cetrimonium chloride**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 106-50-3 EC: 203-404-7 Index: 612-028-00-6 REACH: 01-2119471483-36-XXXX	**p-phenylenediamine**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-factor	
Cetrimonium chloride	Acute	10
CAS: 112-02-7 EC: 203-928-6	Chronic	1

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

- CONTINUED ON NEXT PAGE -

SECTION 7: HANDLING AND STORAGE (continued)

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	4,7 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	3,32 mg/m³	Non-applicable
p-phenylenediamine	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,32 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,23 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	0,98 mg/m³	Non-applicable
p-phenylenediamine	Oral	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,06 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
Cetrimonium chloride	STP	0,4 mg/L	Fresh water	0,001 mg/L
CAS: 112-02-7	Soil	7 mg/kg	Marine water	0 mg/L
EC: 203-928-6	Intermittent	0,001 mg/L	Sediment (Fresh water)	9,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,927 mg/kg
p-phenylenediamine	STP	0,334 mg/L	Fresh water	0,001 mg/L
CAS: 106-50-3	Soil	0 mg/kg	Marine water	0 mg/L
EC: 203-404-7	Intermittent	0,003 mg/L	Sediment (Fresh water)	0,002 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	12 % weight
V.O.C. density at 20 ºC:	118,55 kg/m³ (118,55 g/L)
Average carbon number:	2
Average molecular weight:	46,1 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	78 - 1320 ºC
Vapour pressure at 20 ºC:	2621 Pa
Vapour pressure at 50 ºC:	13435,34 Pa (13,44 kPa)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	987,9 kg/m³
Relative density at 20 ºC:	0,98 - 1
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9,5 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	37 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); p-phenylenediamine (3); resorcinol (3); Sodium sulphite (3); ethanol (1)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
p-phenylenediamine	LD50 oral	137 mg/kg	Rat
CAS: 106-50-3	LD50 dermal	300 mg/kg (ATEi)	
EC: 203-404-7	LC50 inhalation	3 mg/L (ATEi)	
Cetrimonium chloride	LD50 oral	861 mg/kg	Rat
CAS: 112-02-7	LD50 dermal	627 mg/kg	Rabbit
EC: 203-928-6	LC50 inhalation	Non-applicable	
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	9679,56 mg/kg (Calculation method)	31,83 %
Dermal	41362,87 mg/kg (Calculation method)	43,58 %
Inhalation	995,71 mg/L (4 h) (Calculation method)	43,58 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
Cetrimonium chloride	LC50	0,1 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 112-02-7	EC50	0,012 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-928-6	EC50	Non-applicable		
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
p-phenylenediamine	LC50	0,5 mg/L (96 h)	Leuciscus idus	Fish
CAS: 106-50-3	EC50	Non-applicable		
EC: 203-404-7	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Cetrimonium chloride	NOEC	0,2737 mg/L	Pimephales promelas	Fish
CAS: 112-02-7 EC: 203-928-6	NOEC	0,0068 mg/L	Daphnia magna	Crustacean
p-phenylenediamine	NOEC	Non-applicable		
CAS: 106-50-3 EC: 203-404-7	NOEC	0,00501 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
p-phenylenediamine	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-50-3	COD	Non-applicable	Period	28 days
EC: 203-404-7	BOD5/COD	Non-applicable	% Biodegradable	5 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Cetrimonium chloride	BCF	162
CAS: 112-02-7	Pow Log	3.21
EC: 203-928-6	Potential	High

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
p-phenylenediamine	BCF	0.3
CAS: 106-50-3	Pow Log	-0.3
EC: 203-404-7	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
Cetrimonium chloride	Koc	220000	Henry	2,938E-5 Pa·m³/mol
CAS: 112-02-7	Conclusion	Immobile	Dry soil	No
EC: 203-928-6	Surface tension	Non-applicable	Moist soil	No
p-phenylenediamine	Koc	16	Henry	6,789E-5 Pa·m³/mol
CAS: 106-50-3	Conclusion	Very High	Dry soil	No
EC: 203-404-7	Surface tension	1,754E-2 N/m (331,35 ºC)	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	EmS Codes:	F-E, S-C
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Chronic 3: Calculation method
Eye Dam. 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Skin Corr. 1B: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026200_IT21
CI024825_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 8.9

Printing: 12/03/2023 Date of compilation: 06/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026200_IT21
CI024825_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 8.9

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Cosmetics

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Corr. 1B: Skin corrosion, Category 1B, H314

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/protective footwear.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 5-amino-o-cresol, p-phenylenediamine. May produce an allergic reaction.

Substances that contribute to the classification

Undecan-1-ol, ethoxylated (CAS: 34398-01-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

31,83 % (oral), 43,58 % (dermal), 43,58 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of alcohols and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34398-01-1 EC: 500-084-3 Index: Non-applicable REACH: Non-applicable	**Undecan-1-ol, ethoxylated(1)**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol(2)**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 112-02-7 EC: 203-928-6 Index: Non-applicable REACH: 01-2119970558-23-XXXX	**Cetrimonium chloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 106-50-3 EC: 203-404-7 Index: 612-028-00-6 REACH: 01-2119471483-36-XXXX	**p-phenylenediamine(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301+H311+H331; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-factor	
Cetrimonium chloride	Acute	10
CAS: 112-02-7 EC: 203-928-6	Chronic	1

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

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SECTION 7: HANDLING AND STORAGE (continued)

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	4,7 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	3,32 mg/m³	Non-applicable
p-phenylenediamine	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,32 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,23 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	0,98 mg/m³	Non-applicable
p-phenylenediamine	Oral	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
CAS: 106-50-3	Dermal	Non-applicable	Non-applicable	0,16 mg/kg	Non-applicable
EC: 203-404-7	Inhalation	Non-applicable	Non-applicable	0,06 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg
Cetrimonium chloride	STP	0,4 mg/L	Fresh water	0,001 mg/L
CAS: 112-02-7	Soil	7 mg/kg	Marine water	0 mg/L
EC: 203-928-6	Intermittent	0,001 mg/L	Sediment (Fresh water)	9,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,927 mg/kg
p-phenylenediamine	STP	0,334 mg/L	Fresh water	0,001 mg/L
CAS: 106-50-3	Soil	0 mg/kg	Marine water	0 mg/L
EC: 203-404-7	Intermittent	0,003 mg/L	Sediment (Fresh water)	0,002 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	12 % weight
V.O.C. density at 20 ºC:	118,52 kg/m³ (118,52 g/L)
Average carbon number:	2
Average molecular weight:	46,1 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	78 - 1320 ºC
Vapour pressure at 20 ºC:	2620 Pa
Vapour pressure at 50 ºC:	13431,62 Pa (13,43 kPa)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	987,6 kg/m³
Relative density at 20 ºC:	0,98 - 1
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9,5 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	37 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); p-phenylenediamine (3); resorcinol (3); Sodium sulphite (3); ethanol (1)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
p-phenylenediamine	LD50 oral	137 mg/kg	Rat
CAS: 106-50-3	LD50 dermal	300 mg/kg (ATEi)	
EC: 203-404-7	LC50 inhalation	3 mg/L (ATEi)	
Cetrimonium chloride	LD50 oral	861 mg/kg	Rat
CAS: 112-02-7	LD50 dermal	627 mg/kg	Rabbit
EC: 203-928-6	LC50 inhalation	Non-applicable	
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	10242,12 mg/kg (Calculation method)	31,83 %
Dermal	47516,77 mg/kg (Calculation method)	43,58 %
Inhalation	1446,76 mg/L (4 h) (Calculation method)	43,58 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
Cetrimonium chloride	LC50	0,1 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 112-02-7	EC50	0,012 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-928-6	EC50	Non-applicable		
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
p-phenylenediamine	LC50	0,5 mg/L (96 h)	Leuciscus idus	Fish
CAS: 106-50-3	EC50	Non-applicable		
EC: 203-404-7	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Cetrimonium chloride	NOEC	0,2737 mg/L	Pimephales promelas	Fish
CAS: 112-02-7 EC: 203-928-6	NOEC	0,0068 mg/L	Daphnia magna	Crustacean
p-phenylenediamine	NOEC	Non-applicable		
CAS: 106-50-3 EC: 203-404-7	NOEC	0,00501 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
p-phenylenediamine	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 106-50-3	COD	Non-applicable	Period	28 days
EC: 203-404-7	BOD5/COD	Non-applicable	% Biodegradable	5 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Cetrimonium chloride	BCF	162
CAS: 112-02-7	Pow Log	3.21
EC: 203-928-6	Potential	High

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Bioaccumulation potential	
p-phenylenediamine	BCF	0.3
CAS: 106-50-3	Pow Log	-0.3
EC: 203-404-7	Potential	Low
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
Cetrimonium chloride	Koc	220000	Henry	2,938E-5 Pa·m³/mol
CAS: 112-02-7	Conclusion	Immobile	Dry soil	No
EC: 203-928-6	Surface tension	Non-applicable	Moist soil	No
p-phenylenediamine	Koc	16	Henry	6,789E-5 Pa·m³/mol
CAS: 106-50-3	Conclusion	Very High	Dry soil	No
EC: 203-404-7	Surface tension	1,754E-2 N/m (331,35 ºC)	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	EmS Codes:	F-E, S-C
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Chronic 3: Calculation method
Eye Dam. 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Skin Corr. 1B: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026202_IT21
CI024827_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 9.91

Printing: 12/03/2023 Date of compilation: 06/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026202_IT21
CI024827_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT GLOSS 9.91

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: Cosmetics

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Dam. 1: Serious eye damage, Category 1, H318
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Corr. 1B: Skin corrosion, Category 1B, H314

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/protective footwear.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

EUH208: Contains 5-amino-o-cresol. May produce an allergic reaction.

Substances that contribute to the classification

Undecan-1-ol, ethoxylated (CAS: 34398-01-1); potassium hydroxide (CAS: 1310-58-3)

Acute Toxicity Estimate (ATE mix):

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

31,83 % (oral), 43,58 % (dermal) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of alcohols and colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 34398-01-1 EC: 500-084-3 Index: Non-applicable REACH: Non-applicable	**Undecan-1-ol, ethoxylated(1)**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 64-17-5 EC: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	**ethanol(2)**	Self-classified	**10 - <25 %**
	Regulation 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 112-02-7 EC: 203-928-6 Index: Non-applicable REACH: 01-2119970558-23-XXXX	**Cetrimonium chloride(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H311; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(3)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878
(2) Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2020/878
(3) Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	M-factor	
Cetrimonium chloride CAS: 112-02-7 EC: 203-928-6	Acute	10
	Chronic	1

Identification	Specific concentration limit
ethanol CAS: 64-17-5 EC: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO_2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	950 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	4,7 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	3,32 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	Non-applicable	114 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
Cetrimonium chloride	Oral	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
CAS: 112-02-7	Dermal	Non-applicable	Non-applicable	2,83 mg/kg	Non-applicable
EC: 203-928-6	Inhalation	Non-applicable	Non-applicable	0,98 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
ethanol	STP	580 mg/L	Fresh water	0,96 mg/L
CAS: 64-17-5	Soil	0,63 mg/kg	Marine water	0,79 mg/L
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg
	Oral	0,38 g/kg	Sediment (Marine water)	2,9 mg/kg

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Cetrimonium chloride	STP	0,4 mg/L	Fresh water	0,001 mg/L
CAS: 112-02-7	Soil	7 mg/kg	Marine water	0 mg/L
EC: 203-928-6	Intermittent	0,001 mg/L	Sediment (Fresh water)	9,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,927 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	CE CAT III	EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	CE CAT II	EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CE CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer´s instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CE CAT III	EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	12 % weight
V.O.C. density at 20 ºC:	118,5 kg/m³ (118,5 g/L)
Average carbon number:	2
Average molecular weight:	46,1 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Fluid
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	78 - 1320 ºC
Vapour pressure at 20 ºC:	2619 Pa
Vapour pressure at 50 ºC:	13429,93 Pa (13,43 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	987,5 kg/m³
Relative density at 20 ºC:	0,98 - 1
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	Non-applicable *
Concentration:	Non-applicable *
pH:	9,5 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	37 ºC
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Not available
Upper flammability limit:	Not available
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Eugenol (3); Coumarin (3); p-phenylenediamine (3); resorcinol (3); Sodium sulphite (3); ethanol (1)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
Cetrimonium chloride	LD50 oral	861 mg/kg	Rat
CAS: 112-02-7	LD50 dermal	627 mg/kg	Rabbit
EC: 203-928-6	LC50 inhalation	Non-applicable	
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
EC: 200-578-6	LC50 inhalation	124,7 mg/L (4 h)	Rat
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	11749,61 mg/kg (Calculation method)	31,83 %
Dermal	70755,32 mg/kg (Calculation method)	43,58 %
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-578-6	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
Cetrimonium chloride	LC50	0,1 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 112-02-7	EC50	0,012 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-928-6	EC50	Non-applicable		
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5 EC: 200-578-6	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean
Cetrimonium chloride	NOEC	0,2737 mg/L	Pimephales promelas	Fish
CAS: 112-02-7 EC: 203-928-6	NOEC	0,0068 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Non-applicable	Concentration	100 mg/L
CAS: 64-17-5	COD	Non-applicable	Period	14 days
EC: 200-578-6	BOD5/COD	Non-applicable	% Biodegradable	89 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
ethanol	BCF	3
CAS: 64-17-5	Pow Log	-0.31
EC: 200-578-6	Potential	Low
Cetrimonium chloride	BCF	162
CAS: 112-02-7	Pow Log	3.21
EC: 203-928-6	Potential	High
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Koc	1	Henry	4,61E-1 Pa·m³/mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
EC: 200-578-6	Surface tension	2,339E-2 N/m (25 ºC)	Moist soil	Yes
Cetrimonium chloride	Koc	220000	Henry	2,938E-5 Pa·m³/mol
CAS: 112-02-7	Conclusion	Immobile	Dry soil	No
EC: 203-928-6	Surface tension	Non-applicable	Moist soil	No
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	Tunnel restriction code:	D/E
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 40-20:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Marine pollutant:**	No
14.6	**Special precautions for user**	
	Special regulations:	274
	EmS Codes:	F-E, S-C
	Physico-Chemical properties:	see section 9
	Limited quantities:	1 L
	Segregation group:	Non-applicable
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

- CONTINUED ON NEXT PAGE -

SECTION 14: TRANSPORT INFORMATION (continued)

Transport of dangerous goods by air:

With regard to IATA/ICAO 2023:



14.1	**UN number or ID number:**	UN2920
14.2	**UN proper shipping name:**	CORROSIVE LIQUID, FLAMMABLE, N.O.S. (potassium hydroxide; ethanol)
14.3	**Transport hazard class(es):**	8
	Labels:	8, 3
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	No
14.6	**Special precautions for user**	
	Physico-Chemical properties:	see section 9
14.7	**Maritime transport in bulk according to IMO instruments:**	Non-applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: ethanol (Product-type 1, 2, 4)

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	FLAMMABLE LIQUIDS	5000	50000

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

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SECTION 16: OTHER INFORMATION (continued)

Texts of the legislative phrases mentioned in section 2:

H412: Harmful to aquatic life with long lasting effects.
H318: Causes serious eye damage.
H226: Flammable liquid and vapour.
H314: Causes severe skin burns and eye damage.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H311 - Toxic in contact with skin.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Classification procedure:

Aquatic Chronic 3: Calculation method
Eye Dam. 1: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)
Skin Corr. 1B: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026204_IT21
CI024806_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4Br

Printing: 12/03/2023 Date of compilation: 05/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026204_IT21
CI024806_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 4Br

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 2-methylresorcinol, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,75 % (oral), 34,58 % (dermal), 34,58 % (inhalation) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**[1]	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**[1]	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**[1]	ATP CLP00	**1 - <2.5 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 608-25-3 EC: 210-155-8 Index: Non-applicable REACH: 01-2120030526-64-XXXX	**2-methylresorcinol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Aquatic Acute 1: H400; Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol**[1]	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**[1]	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

- CONTINUED ON NEXT PAGE -

SECTION 5: FIREFIGHTING MEASURES (continued)

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	1,4 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	4,93 mg/m³	Non-applicable
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
2-methylresorcinol	Oral	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
CAS: 608-25-3	Dermal	Non-applicable	Non-applicable	0,5 mg/kg	Non-applicable
EC: 210-155-8	Inhalation	Non-applicable	Non-applicable	0,87 mg/m³	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
2-methylresorcinol	STP	0,32 mg/L	Fresh water	0,249 mg/L
CAS: 608-25-3	Soil	0,709 mg/kg	Marine water	0,0249 mg/L
EC: 210-155-8	Intermittent	0,00605 mg/L	Sediment (Fresh water)	4,28 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,428 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0,01 kg/m³ (0,01 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2326 Pa
Vapour pressure at 50 ºC:	12255,74 Pa (12,26 kPa)

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Evaporation rate at 20 ºC:	Non-applicable *
Product description:	
Density at 20 ºC:	1015,9 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Flammability:	
Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:	
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

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SECTION 10: STABILITY AND REACTIVITY (continued)

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); Eugenol (3); Coumarin (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	1100 mg/kg (ATEi)	
EC: 210-431-8	LC50 inhalation	11 mg/L (ATEi)	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
2-methylresorcinol	LD50 oral	200 mg/kg	Rat
CAS: 608-25-3	LD50 dermal	Non-applicable	
EC: 210-155-8	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	2886,28 mg/kg (Calculation method)	31,75 %
Dermal	37480,61 mg/kg (Calculation method)	34,58 %
Inhalation	374,81 mg/L (4 h) (Calculation method)	34,58 %

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
2-methylresorcinol	LC50	58 mg/L (96 h)	N/A	Fish
CAS: 608-25-3	EC50	0,6 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-155-8	EC50	71 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methylresorcinol	BOD5	Non-applicable	Concentration	Non-applicable
CAS: 608-25-3	COD	Non-applicable	Period	28 days
EC: 210-155-8	BOD5/COD	Non-applicable	% Biodegradable	64 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
2-methylresorcinol	BCF	5
CAS: 608-25-3	Pow Log	1.6
EC: 210-155-8	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 °C)	Moist soil	No
2-methylresorcinol	Koc	Non-applicable	Henry	0E+0 Pa·m³/mol
CAS: 608-25-3	Conclusion	Non-applicable	Dry soil	Non-applicable
EC: 210-155-8	Surface tension	Non-applicable	Moist soil	Non-applicable
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

- CONTINUED ON NEXT PAGE -

SECTION 15: REGULATORY INFORMATION (continued)

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026205_IT21
CI024807_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6Br

Printing: 12/03/2023 Date of compilation: 05/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026205_IT21
CI024807_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 6Br

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,75 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol(1)**	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate(1)**	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 123-30-8 EC: 204-616-2 Index: 612-128-00-X REACH: 01-2119535388-31-XXXX	**4-aminophenol(1)**	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Muta. 2: H341 - Warning	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol(1)**	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

- CONTINUED ON NEXT PAGE -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
4-aminophenol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 123-30-8	Dermal	Non-applicable	Non-applicable	1 mg/kg	Non-applicable
EC: 204-616-2	Inhalation	Non-applicable	Non-applicable	2,1 mg/m³	Non-applicable
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
4-aminophenol	STP	0,265 mg/L	Fresh water	0,005 mg/L
CAS: 123-30-8	Soil	0,001 mg/kg	Marine water	0 mg/L
EC: 204-616-2	Intermittent	0,001 mg/L	Sediment (Fresh water)	0,019 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0,01 kg/m³ (0,01 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12261,2 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1008,8 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Particle characteristics:	
Median equivalent diameter:	Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *
Other safety characteristics:	
Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); Eugenol (3); Coumarin (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
4-aminophenol	LD50 oral	393 mg/kg	Rat
CAS: 123-30-8	LD50 dermal	10000 mg/kg	Rabbit
EC: 204-616-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	10710 mg/kg (Calculation method)	31,75 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
4-aminophenol	LC50	0,82 mg/L (96 h)	Oryzias latipes	Fish
CAS: 123-30-8	EC50	0,18 mg/L (48 h)	Daphnia magna	Crustacean
EC: 204-616-2	EC50	0,25 mg/L (72 h)	Selenastrum capricornutum	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Concentration		Species	Genus
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
4-aminophenol	NOEC	0,049 mg/L	Oryzias latipes	Fish
CAS: 123-30-8 EC: 204-616-2	NOEC	0,206 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
4-aminophenol	BOD5	Non-applicable	Concentration	200 mg/L
CAS: 123-30-8	COD	Non-applicable	Period	5 days
EC: 204-616-2	BOD5/COD	Non-applicable	% Biodegradable	87 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
4-aminophenol	Koc	3.85	Henry	0E+0 Pa·m³/mol
CAS: 123-30-8	Conclusion	Very High	Dry soil	No
EC: 204-616-2	Surface tension	Non-applicable	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

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SECTION 15: REGULATORY INFORMATION (continued)

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026206_IT21
CI024808_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7Br

Printing: 12/03/2023 Date of compilation: 05/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026206_IT21
CI024808_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 7Br

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,75 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0,01 kg/m³ (0,01 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12262,39 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1007,3 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); Eugenol (3); Coumarin (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	16189,54 mg/kg (Calculation method)	31,75 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 °C)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026207_IT21
CI024809_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8Br

Printing: 12/03/2023 Date of compilation: 05/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026207_IT21
CI024809_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 8Br

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,75 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

- CONTINUED ON NEXT PAGE -

SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0,01 kg/m³ (0,01 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12263,02 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,5 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); Eugenol (3); Coumarin (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

- CONTINUED ON NEXT PAGE -

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	24005,17 mg/kg (Calculation method)	31,75 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

- CONTINUED ON NEXT PAGE -

SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

- CONTINUED ON NEXT PAGE -

SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -

PF026209_IT21
CI024811_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9BrB

Printing: 12/03/2023 Date of compilation: 05/12/2022 Version: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: PF026209_IT21
CI024811_IT21
MOROCCANOIL COLOR CALYPSO DEMI-PERMANENT CREAM COLOR 9BrB

Other means of identification:

Non-applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant uses: HAIR COLOR TINT

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

MOROCCANOIL
1 Moshe Levi st'
Rishon Lezion - Israel
info@moroccanoil.com

1.4 Emergency telephone number: 1-888-700-1817

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This Regulation shall not apply to substances and mixtures in the following forms, which are in the finished state, intended for the final user: cosmetic products as defined in REGULATION (EC) No 1223/2009

CLP Regulation (EC) No 1272/2008:

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Warning



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501: Dispose of contents/container according to the separated collection system used in your municipality.

Supplementary information:

Contains 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts, 5-amino-o-cresol.

Substances that contribute to the classification

2-methyl-p-phenylenediamine sulfate (CAS: 615-50-9)

- CONTINUED ON NEXT PAGE -

SECTION 2: HAZARDS IDENTIFICATION (continued)

Acute Toxicity Estimate (ATE mix):

31,75 % (oral) of the mixture consists of ingredient(s) of unknown toxicity

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria
Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Acqueous mixture of colourants

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 3055-94-5 EC: 221-280-2 Index: Non-applicable REACH: Non-applicable	**2-[2-[2-(dodeciloxi)etoxi]etoxi]etanol**(1)	Self-classified	**2.5 - <10 %**
	Regulation 1272/2008	Eye Irrit. 2: H319 - Warning	
CAS: 61789-40-0 EC: 263-058-8 Index: Non-applicable REACH: 01-2120770501-61-XXXX	**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning	
CAS: 37310-83-1 EC: 253-455-4 Index: Non-applicable REACH: 01-2119980737-21-XXXX	**9-Octadecen-1-ol, (Z)-, phosphate**(1)	Self-classified	**1 - <2.5 %**
	Regulation 1272/2008	Eye Dam. 1: H318 - Danger	
CAS: 1310-58-3 EC: 215-181-3 Index: 019-002-00-8 REACH: 01-2119487136-33-XXXX	**potassium hydroxide**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314 - Danger	
CAS: 615-50-9 EC: 210-431-8 Index: Non-applicable REACH: 01-2119962199-25-XXXX	**2-methyl-p-phenylenediamine sulfate**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H312+H332; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1A: H317; STOT RE 2: H373 - Danger	
CAS: 66455-14-9 EC: 500-165-3 Index: Non-applicable REACH: 01-2119488045-35-XXXX	**Alcohols, C12-13, ethoxylated**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Acute 1: H400; Aquatic Chronic 3: H412 - Warning	
CAS: 108-46-3 EC: 203-585-2 Index: 604-010-00-1 REACH: 01-2119480136-40-XXXX	**resorcinol**(1)	ATP CLP00	**<1 %**
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	
CAS: 2835-95-2 EC: 220-618-6 Index: Non-applicable REACH: 01-2120766272-54-XXXX	**5-amino-o-cresol**(1)	Self-classified	**<1 %**
	Regulation 1272/2008	Aquatic Chronic 2: H411; Skin Sens. 1A: H317 - Warning	

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

Identification	Specific concentration limit
potassium hydroxide CAS: 1310-58-3 EC: 215-181-3	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0.5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0.5<= % (w/w) <2: Eye Irrit. 2 - H319

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

Non-applicable

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identification	Occupational exposure limits		
resorcinol	IOELV (8h)	10 ppm	45 mg/m³
CAS: 108-46-3 EC: 203-585-2	IOELV (STEL)		

DNEL (Workers):

- CONTINUED ON NEXT PAGE -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	2,33 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	8,22 mg/m³	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 37310-83-1	Dermal	Non-applicable	Non-applicable	55,6 mg/kg	Non-applicable
EC: 253-455-4	Inhalation	Non-applicable	Non-applicable	19,6 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
2-methyl-p-phenylenediamine sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 615-50-9	Dermal	Non-applicable	Non-applicable	0,1 mg/kg	Non-applicable
EC: 210-431-8	Inhalation	2,75 mg/m³	Non-applicable	0,49 mg/m³	Non-applicable
resorcinol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	40 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	5,6 mg/m³	132,8 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	3,226 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	6,601 mg/m³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Oral	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
CAS: 61789-40-0	Dermal	Non-applicable	Non-applicable	0,833 mg/kg	Non-applicable
EC: 263-058-8	Inhalation	Non-applicable	Non-applicable	1,45 mg/m³	Non-applicable
potassium hydroxide	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1310-58-3	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
EC: 215-181-3	Inhalation	Non-applicable	Non-applicable	Non-applicable	1 mg/m³
resorcinol	Oral	Non-applicable	Non-applicable	0,4 mg/kg	Non-applicable
CAS: 108-46-3	Dermal	Non-applicable	Non-applicable	20 mg/kg	Non-applicable
EC: 203-585-2	Inhalation	Non-applicable	Non-applicable	1,394 mg/m³	33 mg/m³
5-amino-o-cresol	Oral	Non-applicable	Non-applicable	0,9 mg/kg	Non-applicable
CAS: 2835-95-2	Dermal	Non-applicable	Non-applicable	1,613 mg/kg	Non-applicable
EC: 220-618-6	Inhalation	Non-applicable	Non-applicable	1,647 mg/m³	Non-applicable

PNEC:

Identification				
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	STP	300 mg/L	Fresh water	0,0032 mg/L
CAS: 61789-40-0	Soil	0,0419 mg/kg	Marine water	0,00032 mg/L
EC: 263-058-8	Intermittent	0,02 mg/L	Sediment (Fresh water)	0,219 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0219 mg/kg
9-Octadecen-1-ol, (Z)-, phosphate	STP	1,9 mg/L	Fresh water	Non-applicable
CAS: 37310-83-1	Soil	Non-applicable	Marine water	Non-applicable
EC: 253-455-4	Intermittent	Non-applicable	Sediment (Fresh water)	Non-applicable
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
2-methyl-p-phenylenediamine sulfate	STP	0,177 mg/L	Fresh water	0,0126 mg/L
CAS: 615-50-9	Soil	0,00259 mg/kg	Marine water	0,00126 mg/L
EC: 210-431-8	Intermittent	0,7 mg/L	Sediment (Fresh water)	0,0112 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,00112 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
resorcinol	STP	0,79 mg/L	Fresh water	0,017 mg/L
CAS: 108-46-3	Soil	10 mg/kg	Marine water	0,002 mg/L
EC: 203-585-2	Intermittent	Non-applicable	Sediment (Fresh water)	0,08 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,008 mg/kg
5-amino-o-cresol	STP	1,5 mg/L	Fresh water	0,024 mg/L
CAS: 2835-95-2	Soil	0,012 mg/kg	Marine water	0,0024 mg/L
EC: 220-618-6	Intermittent	0,023 mg/L	Sediment (Fresh water)	0,129 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,013 mg/kg

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,…) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	CE CAT III	EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands

Non-applicable

D.- Eye and face protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.	CE CAT II	EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CE CAT I		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes	CE CAT II	EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 ºC:	0,01 kg/m³ (0,01 g/L)
Average carbon number:	10
Average molecular weight:	136,2 g/mol

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 20 ºC:	Liquid
Appearance:	Cream
Colour:	Beige
Odour:	Characteristic
Odour threshold:	Non-applicable *

Volatility:

Boiling point at atmospheric pressure:	100 - 1320 ºC
Vapour pressure at 20 ºC:	2327 Pa
Vapour pressure at 50 ºC:	12263,29 Pa (12,26 kPa)
Evaporation rate at 20 ºC:	Non-applicable *

Product description:

Density at 20 ºC:	1006,1 kg/m³
Relative density at 20 ºC:	0,975 - 1,015
Dynamic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 20 ºC:	Non-applicable *
Kinematic viscosity at 40 ºC:	>20,5 mm²/s
Concentration:	Non-applicable *
pH:	9 - 10,5
Vapour density at 20 ºC:	Non-applicable *
Partition coefficient n-octanol/water 20 ºC:	Non-applicable *
Solubility in water at 20 ºC:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *

Flammability:

Flash Point:	Non Flammable (>60 ºC)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	225 ºC
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *

Particle characteristics:

Median equivalent diameter:	Non-applicable

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
Corrosive to metals:	Non-applicable *
Heat of combustion:	Non-applicable *
Aerosols-total percentage (by mass) of flammable components:	Non-applicable *

Other safety characteristics:

Surface tension at 20 ºC:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium sulphite (3); Eugenol (3); Coumarin (3); resorcinol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LD50 oral	>5000 mg/kg	Rat
CAS: 61789-40-0	LD50 dermal	Non-applicable	
EC: 263-058-8	LC50 inhalation	Non-applicable	
2-methyl-p-phenylenediamine sulfate	LD50 oral	102 mg/kg	Rat
CAS: 615-50-9	LD50 dermal	Non-applicable	
EC: 210-431-8	LC50 inhalation	Non-applicable	
potassium hydroxide	LD50 oral	388 mg/kg	Rat
CAS: 1310-58-3	LD50 dermal	Non-applicable	
EC: 215-181-3	LC50 inhalation	Non-applicable	
resorcinol	LD50 oral	310 mg/kg	Rat
CAS: 108-46-3	LD50 dermal	2830 mg/kg	Rabbit
EC: 203-585-2	LC50 inhalation	Non-applicable	
5-amino-o-cresol	LD50 oral	3600 mg/kg	Rat
CAS: 2835-95-2	LD50 dermal	5688 mg/kg	Rat
EC: 220-618-6	LC50 inhalation	Non-applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix	Ingredient(s) of unknown toxicity

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Oral	29006,26 mg/kg (Calculation method)	31,75 %
Dermal	>2000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	LC50	Non-applicable		
CAS: 61789-40-0	EC50	Non-applicable		
EC: 263-058-8	EC50	30 mg/L (72 h)	N/A	Algae
9-Octadecen-1-ol, (Z)-, phosphate	LC50	110 mg/L (96 h)	Danio rerio	Fish
CAS: 37310-83-1	EC50	110 mg/L (48 h)	Daphnia magna	Crustacean
EC: 253-455-4	EC50	110 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
potassium hydroxide	LC50	80 mg/L (48 h)	Gambussia afinis	Fish
CAS: 1310-58-3	EC50	Non-applicable		
EC: 215-181-3	EC50	Non-applicable		
2-methyl-p-phenylenediamine sulfate	LC50	1,08 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 615-50-9	EC50	1,19 mg/L (48 h)	Daphnia magna	Crustacean
EC: 210-431-8	EC50	0,653 mg/L (72 h)	Desmodesmus subspicatus	Algae
Alcohols, C12-13, ethoxylated	LC50	Non-applicable		
CAS: 66455-14-9	EC50	Non-applicable		
EC: 500-165-3	EC50	0,282 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
resorcinol	LC50	29,5 mg/L (96 h)	Pimephales promelas	Fish
CAS: 108-46-3	EC50	1 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-585-2	EC50	Non-applicable		
5-amino-o-cresol	LC50	25 mg/L (96 h)	Danio rerio	Fish
CAS: 2835-95-2	EC50	2,3 mg/L (48 h)	Daphnia magna	Crustacean
EC: 220-618-6	EC50	17 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Chronic toxicity:

Identification		Concentration	Species	Genus
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC	0,16 mg/L	Oncorhynchus mykiss	Fish
CAS: 61789-40-0 EC: 263-058-8	NOEC	0,9 mg/L	Daphnia magna	Crustacean
resorcinol	NOEC	Non-applicable		
CAS: 108-46-3 EC: 203-585-2	NOEC	0,172 mg/L	Daphnia magna	Crustacean
5-amino-o-cresol	NOEC	Non-applicable		
CAS: 2835-95-2 EC: 220-618-6	NOEC	0,24 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Degradability		Biodegradability	
9-Octadecen-1-ol, (Z)-, phosphate	BOD5	Non-applicable	Concentration	3 mg/L
CAS: 37310-83-1	COD	0 g O2/g	Period	28 days
EC: 253-455-4	BOD5/COD	Non-applicable	% Biodegradable	26,1 %
2-methyl-p-phenylenediamine sulfate	BOD5	Non-applicable	Concentration	6 mg/L
CAS: 615-50-9	COD	Non-applicable	Period	28 days
EC: 210-431-8	BOD5/COD	Non-applicable	% Biodegradable	17 %
5-amino-o-cresol	BOD5	Non-applicable	Concentration	15 mg/L
CAS: 2835-95-2	COD	Non-applicable	Period	28 days
EC: 220-618-6	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identification	Bioaccumulation potential	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	BCF	71
CAS: 61789-40-0	Pow Log	
EC: 263-058-8	Potential	Moderate
9-Octadecen-1-ol, (Z)-, phosphate	BCF	
CAS: 37310-83-1	Pow Log	7.42
EC: 253-455-4	Potential	
resorcinol	BCF	3
CAS: 108-46-3	Pow Log	0.8
EC: 203-585-2	Potential	Low
5-amino-o-cresol	BCF	
CAS: 2835-95-2	Pow Log	0.53
EC: 220-618-6	Potential	

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Koc	648	Henry	Non-applicable
CAS: 61789-40-0	Conclusion	Moderate	Dry soil	Non-applicable
EC: 263-058-8	Surface tension	Non-applicable	Moist soil	Non-applicable
9-Octadecen-1-ol, (Z)-, phosphate	Koc	74000	Henry	Non-applicable
CAS: 37310-83-1	Conclusion	Immobile	Dry soil	Non-applicable
EC: 253-455-4	Surface tension	Non-applicable	Moist soil	Non-applicable
2-methyl-p-phenylenediamine sulfate	Koc	17.3	Henry	Non-applicable
CAS: 615-50-9	Conclusion	Very High	Dry soil	Non-applicable
EC: 210-431-8	Surface tension	Non-applicable	Moist soil	Non-applicable
resorcinol	Koc	10	Henry	1,001E-5 Pa·m³/mol
CAS: 108-46-3	Conclusion	High	Dry soil	No
EC: 203-585-2	Surface tension	1,915E-2 N/m (318,43 ºC)	Moist soil	No
5-amino-o-cresol	Koc	17.8	Henry	Non-applicable
CAS: 2835-95-2	Conclusion	Very High	Dry soil	Non-applicable
EC: 220-618-6	Surface tension	Non-applicable	Moist soil	Non-applicable

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

- CONTINUED ON NEXT PAGE -

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):

Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

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SECTION 16: OTHER INFORMATION (continued)

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H301 - Toxic if swallowed.
Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Irrit. 2: Calculation method
Skin Sens. 1A: Calculation method
Aquatic Chronic 3: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -